



June 30, 2008

Mr. Darrell Kaminski  
Regional Design Engineer  
New York State Department of Transportation  
Region 5  
100 Seneca Street  
Buffalo, NY 14203

Attn: Sylvia Jones  
Regional Environmental Contact R5  
Landscape/Environmental Unit

Re: PIN 5576.67.101  
U. S. Route 20A / NY Route 16 / NY Route 78  
From West Village Line to Cook Road  
Village of East Aurora, Town of Aurora  
Eric County  
NYSDOT HMARD Contract D015409  
URS Job No. 11174957

Dear Ms. Jones:

URS Corporation (URS) is pleased to provide the New York State Department of Transportation (NYSDOT) with this Field Activity Report describing the continuation of environmental monitoring and soil testing services conducted at the above captioned project site on behalf of the NYSDOT under the terms and conditions of Hazardous Material Assessment and Remediation Design Contract D015409. These services were provided in response to a request e-mailed by Ms. Rena Jacobs, NYSDOT Region 5 Environmental Specialist, Region 5 Landscape/Environmental Unit, to Mr. Anthony Palumbo, NYSDOT Consultant Management Bureau on May 2, 2008.

## I. Background

NYSDOT plans to perform a full depth reconstruction of portions of U.S. Route 20A / New York Route 16 / New York Route 78 between the West Village Line and Cook Road in the Village of East Aurora and the Town of Aurora in Erie County, presented in Figure 1. As prepared by the NYSDOT design consultant, a Preliminary Screening (PS) revealed, and their Detailed Site Investigation (DSI) confirmed, that a portion of the proposed reconstruction would pass through soils impacted by a release of dry cleaning solvents into the soils and groundwater. The solvents had reputedly been poured into the sanitary sewer and, through a break in a sewer lateral, migrated into the surrounding soils and groundwater. The area potentially impacted by the dry cleaning solvents as determined by others, is presented in Figure 2. Additionally, records of past land use showed that a former gasoline station was located within the area impacted by the dry cleaning solvent release and may have also have an adverse effect on reconstruction activities.

The PS & DSI studies performed by the NYSDOT consultant design firm, augmented with information obtained by NYSDOT from the New York State Department of Environmental Conservation (NYSDEC), indicated that the soils present in the project limits, approximately between Centerline of Improvement Stations M 2+240 to M 2+390, where utility relocations and highway reconstruction activities would be occurring, must be considered a hazardous waste according to 6 NYCRR Part 371.3(e)(1). The quantity

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of hazardous soils to be disposed of was estimated during the DSI to be about 805 cubic meters. According to NYSDOT personnel, this quantity was established by the design consultant and included all soils from pavement level to a depth of 3.35 meters (m) (11 feet) below ground surface (bgs) for the full width of the highway right-of-way.

## **II. January/February 2007 Investigation by URS**

Through internal discussions, NYSDOT concluded that a further investigation of the soils that included additional soil borings, additional soil sampling, additional groundwater sampling and additional soil and groundwater analysis, was warranted. NYSDOT believed that the additional investigation could result in a reduction of the quantity of hazardous soils previously thought to be present in the work area. NYSDOT further believed that this additional environmental investigation could result in the reclassifying of some or all of the soils of interest from a hazardous waste to a contaminated waste, thus reducing disposal costs and thereby reducing overall construction costs.

In January 2007, NYSDOT requested URS to perform that additional environmental investigation in the area of dry cleaning solvent contamination to: a) re-examine the chemical contaminants present; b) re-compute the quantity of soil that might be considered non-hazardous contaminated solid waste; and c) re-compute the quantity of soil that might be considered a Resource Conservation and Recovery Act (RCRA) hazardous waste.

URS conducted that additional soil sampling and analysis program in late January 2007 and summarized our findings in a letter report to Ms. Sylvia Jones, Region 5 Environmental Contact, dated February 2, 2007. In the February 2007 report, laboratory analysis of the soil samples indicated that several organic compounds and inorganic analytes were present above method detection limits. The January 2007 analytical results were compared to the recommended soil cleanup objectives (SCOs) listed in NYSDEC Technical and Administrative Guidance Memorandum HWR-94-4046 (TAGM 4046) *Determination of Soil Cleanup Objectives and Cleanup Levels* (January 1994). The analytical results were also compared to the RCRA characteristic hazardous waste regulatory levels listed in 6 NYCRR Part 371.3(e).

The January 2007 analysis found several organic compounds that exceeded the recommended soil cleanup objectives in TAGM 4046, but were limited to PAHs [e.g. benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene]. All the detected compounds were below RCRA characteristic hazardous waste regulatory levels.

The January 2007 investigation also indicated that several volatile organic compounds (VOCs) exceeded the ambient water quality standards in NYSDEC TOGS 1.1.1. They included tetrachloroethene and naphthalene. Semivolatile organic compounds (SVOCs) that exceeded the ambient water quality standards in NYSDEC TOGS 1.1.1 included eight PAHs in sample BH-9-GW. However, at the time of the report, it was concluded that the presence of fine silt in the sample container might have indicated that the PAHs are associated with the sediment and not the groundwater.

In part, URS concluded in the February 2, 2007 report that the soil that is present in the vicinity of the proposed sanitary sewer trench on Main Street contains organic compounds that exceed the TAGM 4046 recommended soil cleanup objectives. We also concluded that the soil does not meet the definition of a RCRA characteristic ignitable, corrosive, reactive or toxic hazardous waste. We calculated that the anticipated volume of soils affected, based on the limited field program (which volume was confined to the centerline of the proposed sanitary sewer relocation) was about 140 cubic meters.

### III. May 2008 Investigation by URS

#### A. Scope of Services

In an effort to further quantify the anticipated quantity of soils that will need to be disposed of at a permitted landfill and to "fill in" some gaps in the depths at which soil samples were collected and analyzed, NYSDOT requested that URS conduct an additional field sampling and analysis program in May 2008. This new program, as established by the NYSDOT Regional Environmental Specialist, Mr. Frank Garbe, and detailed in an approved Scope of Services and Cost Estimated dated May 13, 2008. Subsequent to this approval, the NYSDOT Region 5 field representative revised the sampling approach, which is summarized below.

#### B. Pre-Sampling Activities

Prior to conducting any intrusive activities, Russo Development, Inc. (Russo), Springville, NY and URS marked the proposed soil vapor sample locations along the north and south sides of Main Street. Russo contacted the local UFPO and the proposed soil vapor survey locations were cleared of buried utilities.

Prior to commencing soil vapor point installation, lane closures and lane shifts were established on a daily basis in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) by a Russo subcontractor, Comet Flasher, Inc. Buffalo, NY.

#### Soil Screening and Sampling

On May 12 through 15, 2008 personnel from URS, Watts Engineers (Watts), and Russo advanced nine soil vapor points south of the centerline of the proposed waterline. The soil vapor survey boreholes were installed along the southern face of the north curb of NY Route 20A (Main Street) starting at approximate Centerline of Improvement Station M 2+240 and progressed the borings in an easterly direction to approximate Centerline of Improvement Station M 2+390. Nine sewer line borehole locations were located approximately one meter south of the proposed sanitary sewer line within the area of the south side parking lane of US Route 20A. The approximate borehole locations are shown in Figure 3. Using a track mounted Geoprobe<sup>®</sup>, Russo drilled each soil vapor point to 1.83 meters (6 feet) bgs. URS screened the soil boring locations in 0.0 to 1.22 meter (0-4 feet) intervals and 1.22-1.83 meter (4-6 feet) intervals with a TVA-1000 PID/FID. Soil sample intervals exhibiting a PID/FID reading of greater than 25 ppm were observed at the following locations:

- 1) Waterline soil vapor survey points / interval (ft):
  - BH-WL-4 / 4 to 6
  - BH-WL-5 / 0 to 4 and 4 to 6
  - BH-WL-6 / 0 to 4 and 4 to 6
  - BH-WL-7 / 0 to 4
  
- 2) Sanitary sewer soil vapor survey points / interval (ft)
  - BH-SL-4 / 0 to 4
  - BH-SL-5 / 0 to 4
  - BH-SL-6 / 0 to 4
  - BH-SL-7 / 0 to 4 and 4 to 6

Every soil sample from every 0.61-meter (2 ft) interval from every borehole, beginning at a point just below the solid asphalt pavement and extending to 1.83 (6 feet) bgs were sealed and placed aside for further examination. Upon further examination by the URS field technician, soil samples from the following intervals and locations were selected for laboratory analysis:

**For the waterline:**

- URS collected a soil sample from the 1.22 to 1.83-meter (4-6 ft) depth interval at soil vapor points BH-WL-1, BH-WL-2, and BH-WL-3. A composite soil sample BH-WL-1,2,3 was prepared by compositing the soils from each of the three soil vapor points. A discrete aliquot of each soil sample was collected into separate containers for VOC and TCLP VOC analyses. The VOC samples and TCLP VOC samples were composited by the laboratory at the time of analysis.
- URS collected a soil sample from the soils taken from the 1.22 to 1.83-meter (4-6 ft) interval at soil vapor point BH-WL-4, from the 0.85 to 1.22-meter (2.8-4 ft) interval at soil vapor point BH-WL-5, from the 0.85 to 1.07-meter (3.5-4 ft) interval at soil vapor point BH-WL-6, and from the 0.10 to 0.37-meter (0.33-1.2 ft) interval at soil vapor point BH-WL-7. A composite soil sample BH-WL-4,5,6,7 was prepared by compositing soils from each of the four soil vapor points. A discrete aliquot of each soil sample was collected into separate containers for VOC and TCLP VOC analyses. The VOC samples and TCLP VOC samples were composited by the laboratory at the time of analysis.
- URS collected a soil sample from the soils taken from the 1.22 to 1.83-meter (4-6 ft) interval at soil vapor point BH-WL-8 and from the 0.61 to 1.07-meter (2-3.5 ft) interval at soil vapor point BH-WL-9. A composite soil sample BH-WL-8,9 was prepared by compositing soils from each of the two soil vapor points. A discrete aliquot of each soil sample was collected into separate containers for VOC and TCLP VOC analyses. The VOC samples and TCLP VOC samples were composited by the laboratory at the time of analysis.

**For the sanitary sewer line:**

- URS collected a soil sample from the soils taken from the 0.76 to 1.22-meter (2.5-4 ft) interval at soil vapor point BH-SL-1, from the 0.98 to 1.22-meter (3.2-4 ft) interval at soil vapor point BH-SL-2, and from the 1.22 to 1.83-meter (4-6 ft) interval at soil vapor point BH-SL-3. A composite soil sample BH-SL-1,2,3 was prepared by compositing soils from each of the three soil vapor points. A discrete aliquot of each soil sample was collected into separate containers for VOC and TCLP VOC analyses. The VOC samples and TCLP VOC samples were composited by the laboratory at the time of analysis.
- URS collected a soil sample from the soils taken from the 0.76 to 1.22-meter (2.5-4 ft) interval at soil vapor point BH-SL-4, from the 1.22 to 1.83-meter (4-6 ft) interval at soil vapor point BH-SL-5, from the 0.82 to 1.07-meter (2.7-4 ft) interval at soil vapor point BH-SL-6, and from the 1.22 to 1.83-meter (4-6 ft) interval at soil vapor point BH-SL-7. A composite soil sample BH-SL-4,5,6,7 was prepared by compositing soils from each of the four soil vapor points. A discrete aliquot of each soil sample was collected into separate containers for VOC and TCLP VOC analyses. The VOC samples and TCLP VOC samples were composited by the laboratory at the time of analysis.
- URS collected a soil sample from the 0.61 to 1.22 (2-4 ft) interval at soil vapor point BH-SL-8 and 1.22 to 1.83 meter (4-6 feet) at soil vapor point BH-SL-9. A composite soil sample BH-SL-8,9 was prepared by compositing the soils from each of the two soil vapor points. A discrete aliquot of each soil sample was collected into separate containers for VOC and TCLP VOC analyses. The VOC samples and TCLP VOC samples were composited by the laboratory at the time of analysis.

**Soil Sample Analysis**

All of the soil samples were transported for analysis to Waste Stream Technology under appropriate chain-of-custody, except as identified in the Data Assessment presented in Attachment 1. The analytical program performed for the sampling May 12-15, 2008 is shown in the table below.

**Analytical Parameters  
Soil Samples  
NYSDOT HWA Contract D015409, PIN 5576.67.101; Rt. 20A**

Parameter	Method Number <sup>1</sup>
TCL/STARS VOCs	8260B
TCL SVOCs	8270C
Ignitability	1030
Corrosivity (pH)	9045C
Reactivity	SW846 Ch. 7, Sec 7.3
GRO	Modified 8015B
DRO	Modified 8015B
Paint Filter Test	9095B
Polychlorinated Biphenyls	8082

SVOCs – Semivolatile Organic Compounds  
 TCL – Target Compound List (as listed in USEPA CLP SOW OLM04.3)  
 VOCs – Volatile Organic Compounds  
 STARS – Spill Technology and Remediation Series, Memo #1  
 GRO – Gasoline Range Organics  
 DRO – Diesel Range Organics

1. Test Methods for Evaluating Solid Waste – Physical/Chemical Methods, SW-846, Final Update III, USEPA, June 1997

A separate aliquot of the sample was leached following USEPA Method 1311 Toxicity Characteristic Leaching Procedure (TCLP). The sample leachate was analyzed for:

Parameter <sup>2</sup>	Method Number <sup>3</sup>
TCLP Metals	1311/6010B
TCLP VOCs	1311/8260B
TCLP SVOCs	1311/8270C

2. TCLP – Toxicity Characteristic Leaching Procedure
3. Test Methods for Evaluating Solid Waste – Physical/Chemical Methods, SW-846, Final Update III, USEPA, June 1997

**Analytical Results**

Table 1 presents a summary of detected organic compounds, inorganic analytes, and RCRA characteristics in the soil samples. The data assessment report, complete data summary tables, and the laboratory analytical reports are presented in Attachment 1.

The analysis of the soil samples indicates that several organic compounds and inorganic analytes were present above method detection limits. The analytical results were compared to the recommended SCOs listed in NYSDECTAGM 4046 and the RCRA characteristic hazardous waste regulatory levels listed in 6 NYCRR Part 371.3.

The only organic and inorganic analytes that exceeded the recommended SCOs in TAGM 4046 were PAHs benzo(a)anthracene at 296 ug/kg and benzo(a)pyrene at 260 ug/kg in sewer line composite sample BH-SL-4,5,6,7, collected from 0.76 to 1.83-meter (2.5 to 6.0 feet). Their respective SCOs are 224 ug/kg and 61 ug/kg. All detected compounds were below RCRA characteristic hazardous waste regulatory levels.

### Conclusions and Recommendations

Based upon the field work and analytical results discussed above, it has been determined that:

- The only composited soil sample that exceeded NYSDEC TAGM 4046 was soil sample BH-SL-4,5,6,7 for PAHs benzo(a)anthracene and benzo(a)pyrene. None of the samples collected and analyzed meet the definition of a RCRA characteristic hazardous waste as listed in 6 NYCRR Part 371.3.

Based upon the fieldwork and analytical results, it is recommended that:

- During construction activities in the vicinity of BH-SL-4,5,6,7, it is recommended that soil from a depth 0.76 to 1.83-meter (2.5 to 6.0 feet) should be disposed of as non-hazardous contaminated soil and managed in an appropriate and safe manner in accordance with, but not limited to 6 NYCRR Part 360; applicable New York State Department of Health (NYSDOH) rules and regulations; and applicable Erie County Health Department rules and regulations. It is recommended that all personnel who will be present in the areas determined to contain contaminated soils should wear USEPA Level "D" personal protective equipment (PPE) consisting of hard hats, hearing protection, steel-toed boots, orange/yellow safety vests, safety glasses, and leather gloves. It is also recommended that personnel that may come in contact with the contaminated soils wear Tyvek coveralls and that respirators should be used in contaminated areas if conditions of high dust are present.

We trust that this submittal is sufficient for your needs, but should you have any questions or comments concerning this submittal, please contact me directly.

Sincerely,

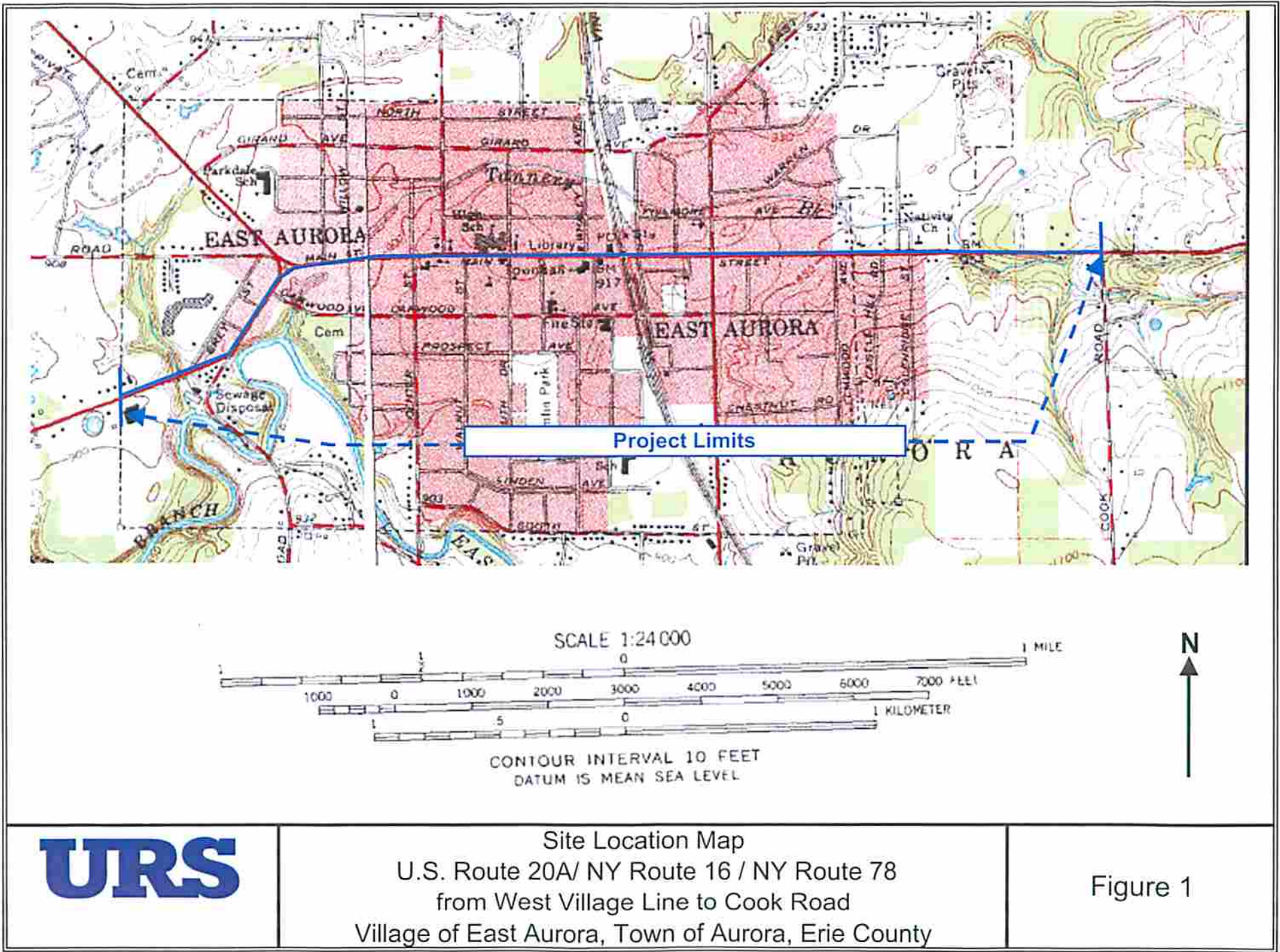
URS Corporation – New York



Earle C. Newman, P.L.S.  
Project Manager

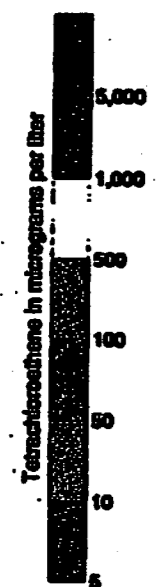
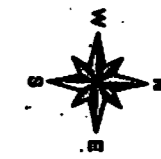
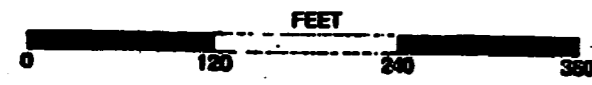
Attachments

cc: Anthony Palumbo, NYSDOT Consultant Mgmt. Bur.  
Frank Garbe, NYSDOT Region 5 Landscape Unit  
Justin Kellogg – Watts Engineers  
File: 11174957

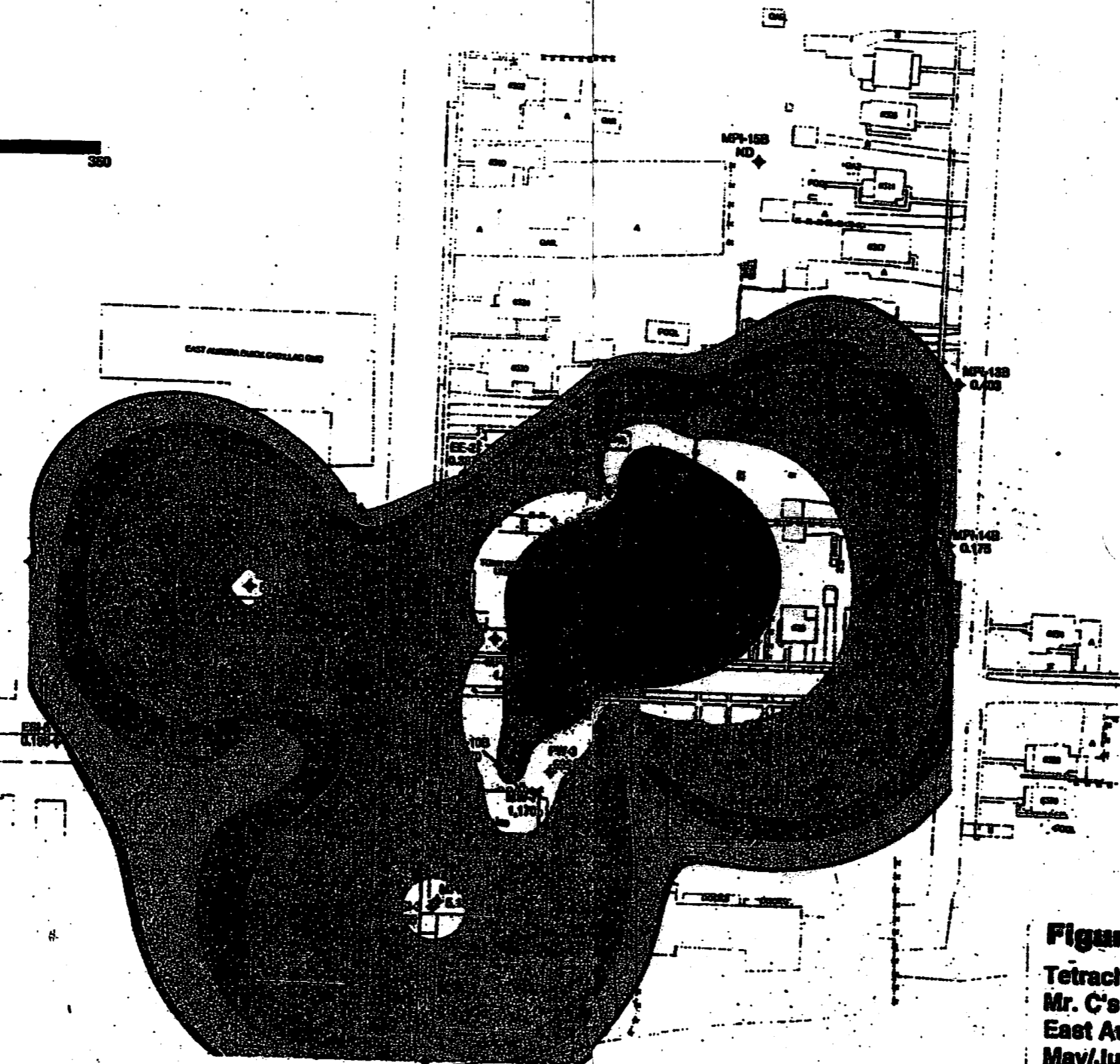


Site Location Map  
 U.S. Route 20A/ NY Route 16 / NY Route 78  
 from West Village Line to Cook Road  
 Village of East Aurora, Town of Aurora, Erie County

Figure 1



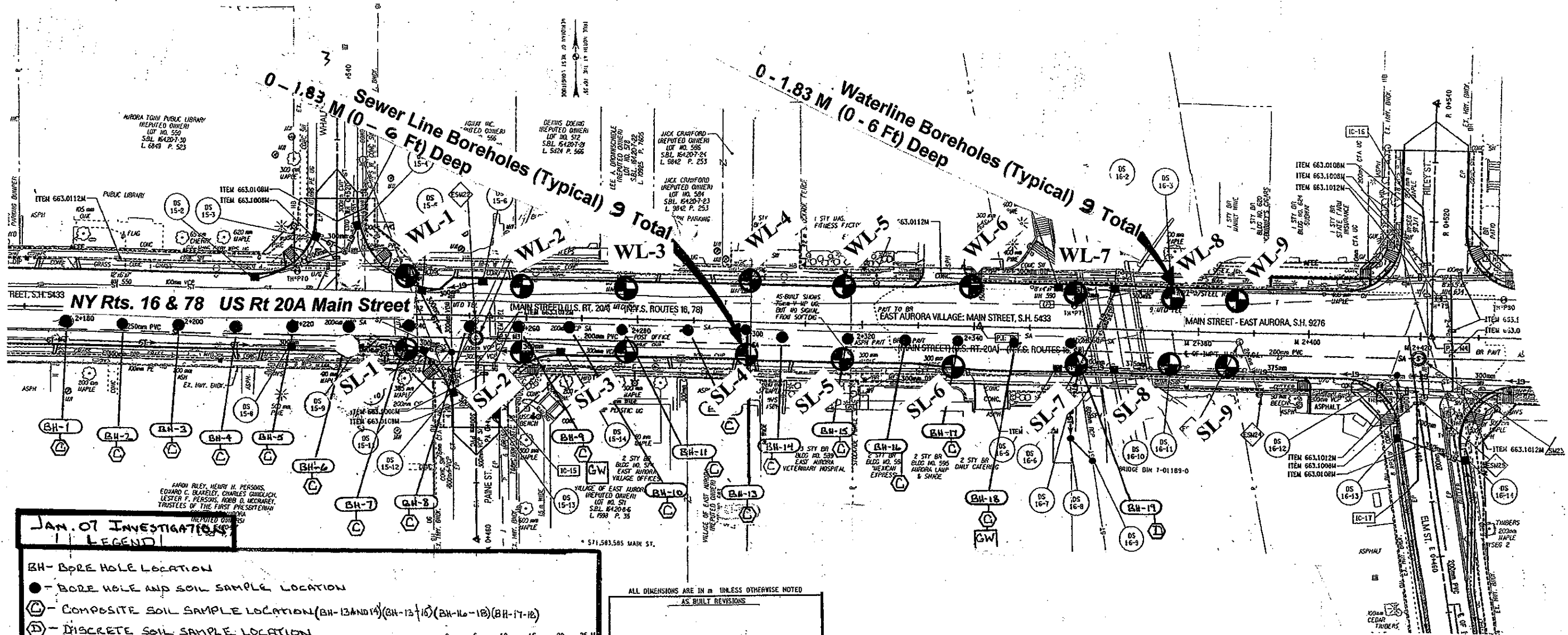
EAST AURORA DRY CLEANERS ONE



**Legend**  
 ND = not detected  
 NS = not sampled  
 PW-7 = Well ID with PCE  
 2,760 concentration in  $\mu\text{g/L}$

**Figure 2**  
**Tetrachloroethene in Groundwater**  
**Mr. C's Dry Cleaners Site**  
**East Aurora, New York**  
**May/June 2004**





**JAN. 07 INVESTIGATION**  
**LEGEND**

- BH - BORE HOLE LOCATION
- - BORE HOLE AND SOIL SAMPLE LOCATION
- ⊕ - COMPOSITE SOIL SAMPLE LOCATION (BH-13 AND 14) (BH-13 & 15) (BH-16 - 18) (BH-17 - 18)
- ⊙ - DISCRETE SOIL SAMPLE LOCATION
- GW - GROUND WATER SAMPLE LOCATION

SCALE: 0 5 10 15 20 25 M

ALL DIMENSIONS ARE IN M UNLESS OTHERWISE NOTED  
 AS BUILT REVISIONS

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

UTILITY PLANS

STATE OF NEW YORK  
 DEPARTMENT OF TRANSPORTATION  
 REGION 5

DOCUMENT NAME	DATE	DRAWING NO.
55766TUF_PLT	OCTOBER 2008	LP-15

**NY Rts. 16 & 78 US Rt 20A Main Street**  
**May 2008 Investigation**  
**Borehole Layout**  
**Figure 3**

2008 Invest. Legend  
 WL-1 ⊕ Borehole Location

Figure 3 revised 7/10/08  
 to add BH numbers

**TABLE 1**  
**SUMMARY OF DETECTED ANALYTES - SOIL SAMPLES**  
**US ROUTE 20/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
1,2,4-Trimethylbenzene	UG/KG	10000	-		11			4
1,3,5-Trimethylbenzene	UG/KG	3300	-		4			
Acetone	UG/KG	200	-			26	21	31
Benzene	UG/KG	60 or MDL	-		5		3	5
Carbon disulfide	UG/KG	2700	-				2	3
Ethylbenzene	UG/KG	5500	-		3			
Tetrachloroethene	UG/KG	1400	-	86	59	123	52	209
Toluene	UG/KG	1500	-		23		6	12
Trichloroethene	UG/KG	700	-			3		4
Xylene (total)	UG/KG	1200	-		27			10
Naphthalene	UG/KG	13000	-		8			
Total Volatile Organic Compounds	UG/KG	10000	-	86	140	152	84	278
<b>TCLP Volatile Organic Compounds</b>								
Tetrachloroethene	UG/L	-	700			17		
<b>Semivolatile Organic Compounds</b>								
Acenaphthene	UG/KG	50000	-		117			
Anthracene	UG/KG	50000	-		185			
Benzo(a)anthracene	UG/KG	224 or MDL	-		296			
Benzo(a)pyrene	UG/KG	61 or MDL	-		280			
Benzo(b)fluoranthene	UG/KG	1100	-		285			

Criteria (1)- NYSDEC TAGM, Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
 Concentration Exceeds Criteria (2)

- - No criteria. ND or Blank Cell - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

Only Detected Results Reported.

**TABLE 1**  
**SUMMARY OF DETECTED ANALYTES - SOIL SAMPLES**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-5.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Benzo(g,h,i)perylene	UG/KG	50000	-	103	162		95	
Benzo(k)fluoranthene	UG/KG	1100	-		142			
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-					81
Carbazole	UG/KG	50000	-		117			
Chrysene	UG/KG	400	-		271			
Fluoranthene	UG/KG	50000	-	157	748			
Fluorene	UG/KG	50000	-		113			
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-		101			
Phenanthrene	UG/KG	50000	-	151	709			
Pyrene	UG/KG	50000	-	115	543			
Total Semivolatile Organic Compounds	UG/KG	5.00E+05	-	528	4,069	ND	95	81
<b>Miscellaneous Parameters</b>								
TPH - Diesel Range Organics	MG/KG	-	-		53			
<b>RCRA Characteristics</b>								
Corrosivity (pH)	S.U.	-	2-12.5	9.23	5.92	9.94	10.22	9.93

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria (1)  
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Only Detected Results Reported.

**TABLE 1**  
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**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-WL-8,9
Sample ID				BH-WL-8,9
Matrix				Soil
Depth Interval (ft)				2.0-6.0
Date Sampled				05/13/08
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Volatile Organic Compounds</b>				
1,2,4-Trimethylbenzene	UG/KG	10000	-	13
1,3,5-Trimethylbenzene	UG/KG	3300	-	5
Acetone	UG/KG	200	-	16
Benzene	UG/KG	60 or MDL	-	10
Carbon disulfide	UG/KG	2700	-	4
Ethylbenzene	UG/KG	5500	-	3
Tetrachloroethene	UG/KG	1400	-	9
Toluene	UG/KG	1500	-	28
Trichloroethene	UG/KG	700	-	
Xylene (total)	UG/KG	1200	-	31
Naphthalene	UG/KG	13000	-	
Total Volatile Organic Compounds	UG/KG	10000	-	119
<b>TCLP Volatile Organic Compounds</b>				
Tetrachloroethene	UGL	-	700	
<b>Semivolatile Organic Compounds</b>				
Acenaphthene	UG/KG	50000	-	
Anthracene	UG/KG	50000	-	
Benzo(a)anthracene	UG/KG	224 or MDL	-	
Benzo(a)pyrene	UG/KG	61 or MDL	-	
Benzo(b)fluoranthene	UG/KG	1100	-	

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND or Blank Cell - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

Only Detected Results Reported.

**TABLE 1**  
**SUMMARY OF DETECTED ANALYTES - SOIL SAMPLES**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Semivolatile Organic Compounds</b>				
Benzo(g,h,i)perylene	UG/KG	50000	-	
Benzo(k)fluoranthene	UG/KG	1100	-	
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-	
Carbazole	UG/KG	50000	-	
Chrysene	UG/KG	400	-	
Fluoranthene	UG/KG	50000	-	
Fluorene	UG/KG	50000	-	
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-	
Phenanthrene	UG/KG	50000	-	
Pyrene	UG/KG	50000	-	
Total Semivolatile Organic Compounds	UG/KG	5.00E+05	-	ND
<b>Miscellaneous Parameters</b>				
TPH - Diesel Range Organics	MG/KG	-	-	
<b>RCRA Characteristics</b>				
Corrosivity (pH)	S.U.	-	2-12.5	10.22

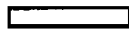
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND or Blank Cell - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

Only Detected Results Reported.

**ATTACHMENT 1**

**DATA ASSESSMENT REPORT  
AND  
ANALYTICAL SUMMARY TALBES**

**MEMORANDUM**

**TO:** Earle Newman

**FROM:** George Kisluk *GKL*

**DATE:** June 26, 2008

**SUBJECT:** **PIN 5576.67.101**  
**U. S. Route 20A/NY Route 16/NY Route 78**  
**From West Village Line to Cook Road**  
**Village of East Aurora, Town of Aurora**  
**Erie County**  
**NYSDOT HWARD Contract D015409**  
URS Job No. 11174957

Six composite soil samples were collected from the US Route 20A site in East Aurora, Erie County, NY on May 12-14, 2008 and delivered to Waste Stream Technology, Inc., located in Buffalo, NY. The samples were received by the laboratory on May 14-15, 2008, intact, properly preserved, and under proper chain-of-custody (COC) except as follows:

- The COC listed individual samples for BH-WL-4, BH-WL-5, BH-WL-6, BH-WL-7, BH-WL-8, BH-WL-9, BH-SL-1, BH-SL-2, BH-SL-3, BH-SL-4, BH-SL-5, BH-SL-6, BH-SL-7, BH-SL-8, and BH-SL-9. These individual samples were not analyzed separately, but were composited in the field into samples BH-WL-4,5,6,7, BH-WL-8,9, BH-SL-1,2,3, BH-SL-4,5,6,7 and BH-SL-8,9, and submitted to the laboratory for analysis. The individual volatile samples were not composited in the field; instead they were sent to the laboratory to be composited and analyzed as composite samples BH-WL-4,5,6,7, BH-WL-8,9, BH-SL-1,2,3, BH-SL-4,5,6,7 and BH-SL-8,9. The COC was corrected during the data review to indicate this..
- The beginning depth (in feet) and ending depth (in feet) listed on the COC do not represent the actual sample depth intervals of composite samples BH-WL-1,2,3, BH-WL-8,9, BH-SL-1,2,3 and BH-SL-4,5,6,7. The depths were revised during the data review by entering the depths listed in the field notes.

The samples were analyzed for:

- Target Compound List (TCL) and the New York State Department of Environmental Conservation (NYSDEC) Spill Technology and Remediation Series (STARS) Memo # 1, Petroleum Contaminated Soil Guidance Policy volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B;
- TCL semivolatile organic compounds (SVOCs) by USEPA Method 8270C;
- Polychlorinated biphenyls (PCBs) by USEPA Method 8082;

- Resource Conservation and Recovery Act (RCRA) characteristic of ignitability by USEPA Method 1030;
- RCRA characteristic of corrosivity (pH) by USEPA Method 9045C;
- RCRA characteristic of reactivity by USEPA SW846 Chapter 7, Section 7.3;
- Gasoline Range Organics (GRO) by modified USEPA Method 8015B;
- Diesel Range Organics (DRO) by modified USEPA Method 8015B; and
- Paint Filter Liquids Test (Free Liquid) by USEPA Method 9095B.

A separate aliquot of the sample was leached following USEPA Method 1311 [Toxicity Characteristic Leaching Procedure (TCLP)]. The sample leachate was analyzed for:

- TCLP VOCs by USEPA Method 8260B;
- TCLP SVOCs by USEPA Method 8270C; and
- TCLP metals by USEPA Methods 6010B/7470A.

All analytical methods referenced are from *Test Methods for Evaluating Solid Waste - Physical/Chemical Methods, SW-846, Final Update III*, USEPA, June 1997.

A one week turnaround time was requested. The results were received by URS on May 21-22, 2008.

The data package was reviewed for compliance with the requirements of the URS subcontract agreement with the laboratory. Qualification of data was based on the holding time and/or quality control (QC) deficiencies provided in the data package and discussed in the laboratory report narrative. When necessary, the laboratory was contacted to provide additional information regarding the QC deficiencies and their impact on the analytical results. Qualifiers applied to the data were based on the following USEPA Region II guidelines:

- *Validating Volatile Organic Compounds by SW-846 Method 8260B, HW-24, Revision 2*, October 2006;
- *Validating Semivolatile Organic Compounds by SW-846 Method 8270D, HW-22, Revision 3*, October 2006;
- *Validating PCB Compounds by SW-846 Method 8082A, HW-45, Revision 1*, October 2006; and
- *Validation of Metals Data for the Contract Laboratory Program (CLP), HW-2, Revision 13*, September 2006.

The evaluated analytical results are provided on Table 1. Definitions of USEPA Region II data qualifiers are presented at the end of this memorandum. The laboratory data packages are provided in Attachment A. Only data requiring qualification is discussed in the following sections.



**TCL & STARS VOCs**

In order to preserve sample integrity, grab samples were collected from each boring location. The samples were subsequently composited by the laboratory for analysis.

No data qualifications were made and all data are usable as reported.

**TCL SVOCs**

No data qualifications were made and all data are usable as reported.

**PCBs**

No data qualifications were made and all data are usable as reported.

**TCLP VOCs**

In order to preserve sample integrity, grab samples were collected from each boring location. The samples were subsequently composited by the laboratory for TCLP extraction.

No data qualifications were made and all data are usable as reported.

**TCLP SVOCs**

The recovery of surrogates nitrobenzene-d5 and terphenyl-d14 were below the lower QC limit for sample BH-SL-1,2,3 (8E15008-02). The non-detect results in the associated base/neutral fraction were qualified 'UJ'.

The recovery of surrogates 2-fluorophenol and 2,4,6-tribromophenol were below the lower QC limit for samples BH-WL-1,2,3 (8E14002-01) and BH-SL-8,9 (8E14002-04). The non-detect results in the associated acid fraction were qualified 'UJ'.

No other data qualifications were made and all other data are usable as reported.

**TCLP Metals**

Barium was detected in the method blank (i.e., 0.106 mg/L) and in all samples at less than 10X the method blank concentration. Per the NYSDEC Analytical Service Protocol (ASP), the RCRA contract required detection limit (CRQL) is 10 mg/l for barium. Barium results in all samples were qualified 'U' at the CRQL.

No other data qualifications were made and all other data are usable as reported.

**RCRA Ignitability, Corrosivity (pH), and Reactivity**

No data qualifications were made and all data are usable as reported.

**Gasoline Range Organics (GRO)**

No data qualifications were made and all data are usable as reported.

**Diesel Range Organics (DRO)**

No data qualifications were made and all data are usable as reported.

**Paint Filter Liquids Test (Free Liquid)**

No data qualifications were made and all data are usable as reported.

cc: File: 11174957.00000

## **DEFINITION OF VALIDATION QUALIFIERS**

The following are definitions of the validation qualifiers assigned to results during the data review process.

- U** - The analyte was analyzed for, but was not detected above the reporting limit.
- UJ** - The analyte was not detected above the reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of reporting necessary to accurately and precisely measure the analyte in the sample.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
1,1,1,2-Tetrachloroethane	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
1,1,1-Trichloroethane	UG/KG	800	-	2 U	2 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	UG/KG	600	-	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	6000	-	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
1,1-Dichloroethane	UG/KG	200	-	2 U	2 U	2 U	2 U	2 U
1,1-Dichloroethene	UG/KG	400	-	2 U	2 U	2 U	2 U	2 U
1,1-Dichloropropene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichlorobenzene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	UG/KG	400	-	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	UG/KG	3400	-	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	UG/KG	10000	-	2 U	11	2 U	2 U	4
1,2-Dibromo-3-chloropropane	UG/KG	10000	-	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	UG/KG	7900	-	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethane	UG/KG	100	-	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
1,3,5-Trimethylbenzene	UG/KG	3300	-	2 U	4	2 U	2 U	2 U
1,3-Dichlorobenzene	UG/KG	1600	-	2 U	2 U	2 U	2 U	2 U
1,3-Dichloropropane	UG/KG	300	-	2 U	2 U	2 U	2 U	2 U

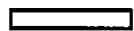
Criteria (1)- NYSDEC TAGM, Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

U - Not detected above the reported quantitation limit. UJ - Not detected, the reported quantitation limit is an estimated value.

Made By: NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
1,4-Dichlorobenzene	UG/G	8500	-	2 U	2 U	2 U	2 U	2 U
1-Chlorohexane	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
2-Hexanone	UG/G	10000	-	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	UG/G	1000	-	10 U	10 U	10 U	10 U	10 U
Acetone	UG/G	200	-	10 U	10 U	26	21	31
Acrylonitrile	UG/G	-	-	10 U	10 U	10 U	10 U	10 U
Benzene	UG/G	60 or MDL	-	2 U	5	2 U	3	5
Bromobenzene	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
Bromochloromethane	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
Bromodichloromethane	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
Bromoform	UG/G	10000	-	2 U	2 U	2 U	2 U	2 U
Bromomethane	UG/G	10000	-	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	UG/G	2700	-	2 U	2 U	2 U	2	3
Carbon tetrachloride	UG/G	600	-	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	UG/G	1700	-	2 U	2 U	2 U	2 U	2 U
Chloroethane	UG/G	1900	-	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/G	300	-	2 U	2 U	2 U	2 U	2 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4048 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

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Made By: NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
Chloromethane	UG/KG	10000	-	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
cis-1,3-Dichloropropene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
Dibromochloromethane	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
Dichlorodifluoromethane	UG/KG	10000	-	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/KG	5500	-	2 U	3	2 U	2 U	2 U
Hexachlorobutadiene	UG/KG	50000	-	2 U	2 U	2 U	2 U	2 U
Isopropylbenzene	UG/KG	2300	-	2 U	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone (2-Butanone)	UG/KG	300	-	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/KG	120	-	2 U	2 U	2 U	2 U	2 U
Methylene chloride	UG/KG	100	-	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
n-Propylbenzene	UG/KG	3700	-	2 U	2 U	2 U	2 U	2 U
p-Isopropyltoluene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
sec-Butylbenzene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
Styrene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
tert-Butylbenzene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
Tetrachloroethene	UG/KG	1400	-	86	59	123	52	209
Toluene	UG/KG	1500	-	2 U	23	2 U	6	12
trans-1,2-Dichloroethene	UG/KG	300	-	2 U	2 U	2 U	2 U	2 U

Criteria (1)- NYSDEC TAGM. Determination of Soil Cleanup Objectives and Cleanup Levels. HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria. 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

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Made By NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL

**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY  
PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Compounds</b>								
trans-1,3-Dichloropropene	UG/KG	10000	-	2 U	2 U	2 U	2 U	2 U
Trichloroethene	UG/KG	700	-	2 U	2 U	3	2 U	4
Trichlorofluoromethane	UG/KG	10000	-	10 U	10 U	10 U	10 U	10 U
Vinyl acetate	UG/KG	10000	-	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	UG/KG	200	-	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/KG	1200	-	4 U	27	4 U	4 U	10
Naphthalene	UG/KG	13000	-	2 U	8	2 U	2 U	2 U
Total Volatile Organic Compounds	UG/KG	10000	-	86	140	152	84	278
<b>TCLP Volatile Organic Compounds</b>								
1,1-Dichloroethene	UGL	-	700	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	UGL	-	500	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UGL	-	7500	10 U	10 U	10 U	10 U	10 U
Benzene	UGL	-	500	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UGL	-	500	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	UGL	-	100000	10 U	10 U	10 U	10 U	10 U
Chloroform	UGL	-	6000	10 U	10 U	10 U	10 U	10 U
Methyl Ethyl Ketone (2-Butanone)	UGL	-	2.00E+05	100 U	100 U	100 U	100 U	100 U
Tetrachloroethene	UGL	-	700	10 U	10 U	17	10 U	10 U
Trichloroethene	UGL	-	500	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	UGL	-	200	10 U	10 U	10 U	10 U	10 U

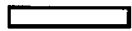
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4048 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

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Made By: NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL

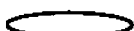
**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
1,2,4-Trichlorobenzene	UG/KG	3400	-	67 U	67 U	67 U	67 U	67 U
1,2-Dichlorobenzene	UG/KG	7900	-	67 U	67 U	67 U	67 U	67 U
1,3-Dichlorobenzene	UG/KG	1600	-	67 U	67 U	67 U	67 U	67 U
1,4-Dichlorobenzene	UG/KG	8500	-	67 U	67 U	67 U	67 U	67 U
2,4,5-Trichlorophenol	UG/KG	100	-	67 U	67 U	67 U	67 U	67 U
2,4,6-Trichlorophenol	UG/KG	50000	-	130 U	130 U	130 U	130 U	130 U
2,4-Dichlorophenol	UG/KG	400	-	130 U	130 U	130 U	130 U	130 U
2,4-Dimethylphenol	UG/KG	50000	-	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrophenol	UG/KG	200 or MDL	-	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
2,6-Dinitrotoluene	UG/KG	1000	-	67 U	67 U	67 U	67 U	67 U
2-Chloronaphthalene	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
2-Chlorophenol	UG/KG	800	-	130 U	130 U	130 U	130 U	130 U
2-Methylnaphthalene	UG/KG	36400	-	67 U	67 U	67 U	67 U	67 U
2-Methylphenol (o-cresol)	UG/KG	100 or MDL	-	67 U	67 U	67 U	67 U	67 U
2-Nitroaniline	UG/KG	430 or MDL	-	67 U	67 U	67 U	67 U	67 U
2-Nitrophenol	UG/KG	330 or MDL	-	130 U	130 U	130 U	130 U	130 U
3,3'-Dichlorobenzidine	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
3&4-Methylphenol	UG/KG	900	-	130 U	130 U	130 U	130 U	130 U
3-Nitroaniline	UG/KG	500 or MDL	-	67 U	67 U	67 U	67 U	67 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria. ND - Not detected. MDL - Method Detection Limit. POS/NEG - Positive/Negative.

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Made By: NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL



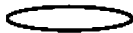
**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
US ROUTE 20/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY  
PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
4,6-Dinitro-2-methylphenol	UG/KG	50000	-	130 U	130 U	130 U	130 U	130 U
4-Bromophenylphenylether	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
4-Chloro-3-methylphenol	UG/KG	240 or MDL	-	130 U	130 U	130 U	130 U	130 U
4-Chloroaniline	UG/KG	220 or MDL	-	67 U	67 U	67 U	67 U	67 U
4-Chlorophenylphenylether	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
4-Nitroaniline	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
4-Nitrophenol	UG/KG	100 or MDL	-	130 U	130 U	130 U	130 U	130 U
Acenaphthene	UG/KG	50000	-	67 U	117	67 U	67 U	67 U
Acenaphthylene	UG/KG	41000	-	67 U	67 U	67 U	67 U	67 U
Aniline	UG/KG	100	-	67 U	67 U	67 U	67 U	67 U
Anthracene	UG/KG	50000	-	67 U	195	67 U	67 U	67 U
Benzidine	UG/KG	50000	-	330 U	330 U	330 U	330 U	330 U
Benzo(a)anthracene	UG/KG	224 or MDL	-	67 U	296	67 U	67 U	67 U
Benzo(a)pyrene	UG/KG	61 or MDL	-	67 U	260	67 U	67 U	67 U
Benzo(b)fluoranthene	UG/KG	1100	-	67 U	295	67 U	67 U	67 U
Benzo(g,h,i)perylene	UG/KG	50000	-	103	162	67 U	95	67 U
Benzo(k)fluoranthene	UG/KG	1100	-	67 U	142	67 U	67 U	67 U
Benzoic acid	UG/KG	2700	-	330 U	330 U	330 U	330 U	330 U
Benzyl alcohol	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
bis(2-Chloroethoxy)methane	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 6/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

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Detection Limits shown are PQL

**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY  
PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
bis(2-Chloroethyl)ether	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
bis(2-chloroisopropyl)ether	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-	67 U	67 U	67 U	67 U	81
Butylbenzylphthalate	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
Carbazole	UG/KG	50000	-	67 U	117	67 U	67 U	67 U
Chrysene	UG/KG	400	-	67 U	271	67 U	67 U	67 U
Dibenz(a,h)anthracene	UG/KG	14 or MDL	-	67 U	67 U	67 U	67 U	67 U
Dibenzofuran	UG/KG	6200	-	67 U	67 U	67 U	67 U	67 U
Diethylphthalate	UG/KG	7100	-	67 U	67 U	67 U	67 U	67 U
Dimethylphthalate	UG/KG	2000	-	67 U	67 U	67 U	67 U	67 U
Di-n-butylphthalate	UG/KG	8100	-	67 U	67 U	67 U	67 U	67 U
Di-n-octylphthalate	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
Fluoranthene	UG/KG	50000	-	157	748	67 U	67 U	67 U
Fluorene	UG/KG	50000	-	67 U	113	67 U	67 U	67 U
Hexachlorobenzene	UG/KG	410	-	67 U	67 U	67 U	67 U	67 U
Hexachlorobutadiene	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
Hexachlorocyclopentadiene	UG/KG	50000	-	130 U	130 U	130 U	130 U	130 U
Hexachloroethane	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-	67 U	101	67 U	67 U	67 U
Isophorone	UG/KG	4400	-	67 U	67 U	67 U	67 U	67 U

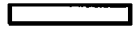
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria. 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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Made By NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Compounds</b>								
Naphthalene	UG/KG	13000	-	67 U	67 U	67 U	67 U	67 U
Nitrobenzene	UG/KG	200 or MDL	-	67 U	67 U	67 U	67 U	67 U
N-Nitroso-di-n-propylamine	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
N-Nitrosodimethylamine	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
N-Nitrosodiphenylamine	UG/KG	50000	-	67 U	67 U	67 U	67 U	67 U
Pentachlorophenol	UG/KG	1000 or MDL	-	130 U	130 U	130 U	130 U	130 U
Phenanthrene	UG/KG	50000	-	151	709	67 U	67 U	67 U
Phenol	UG/KG	30 or MDL	-	130 U	130 U	130 U	130 U	130 U
Pyrene	UG/KG	50000	-	115	543	67 U	67 U	67 U
Total Semivolatile Organic Compounds	UG/KG	5.00E+05	-	528	4,089	ND	95	81
<b>TCLP Semivolatile Organic Compounds</b>								
1,4-Dichlorobenzene	UGL	-	7500	8 UJ	8 U	8 U	8 U	8 U
2,4,5-Trichlorophenol	UGL	-	4.00E+05	8 U	8 U	8 U	8 UJ	8 U
2,4,6-Trichlorophenol	UGL	-	2000	16 U	16 U	16 U	16 UJ	16 U
2,4-Dinitrotoluene	UGL	-	130	8 UJ	8 U	8 U	8 U	8 U
Hexachlorobenzene	UGL	-	130	8 UJ	8 U	8 U	8 U	8 U
Hexachlorobutadiene	UGL	-	500	8 UJ	8 U	8 U	8 U	8 U
Hexachloroethane	UGL	-	3000	8 UJ	8 U	8 U	8 U	8 U
Nitrobenzene	UGL	-	2000	8 UJ	8 U	8 U	8 U	8 U
Pentachlorophenol	UGL	-	100000	16 U	16 U	16 U	16 UJ	16 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

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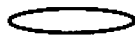
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**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>TCLP Semivolatile Organic Compounds</b>								
Pyridine	UGL	-	5000	8 UJ	8 U	8 U	8 U	8 U
Total Cresols (o,m & p)	UGL	-	2.00E+05	24 U	24 U	24 U	24 UJ	24 U
<b>Polychlorinated Biphenyls</b>								
Aroclor 1016	UG/KG	1000	-	41.6 U	49 U	43 U	36.4 U	40.8 U
Aroclor 1221	UG/KG	1000	-	41.6 U	49 U	43 U	38.4 U	40.8 U
Aroclor 1232	UG/KG	1000	-	41.6 U	49 U	43 U	36.4 U	40.8 U
Aroclor 1242	UG/KG	1000	-	41.6 U	49 U	43 U	36.4 U	40.8 U
Aroclor 1248	UG/KG	1000	-	41.6 U	49 U	43 U	36.4 U	40.8 U
Aroclor 1254	UG/KG	1000	-	41.6 U	49 U	43 U	36.4 U	40.8 U
Aroclor 1260	UG/KG	1000	-	41.6 U	49 U	43 U	38.4 U	40.8 U
Total Polychlorinated Biphenyls	UG/KG	1000	-	ND	ND	ND	ND	ND
<b>TCLP Metals</b>								
Arsenic	MGL	-	5	0.045 U	0.045 U	0.045 U	0.045 U	0.045 U
Barium	MGL	-	100	10 U	10 U	10 U	10 U	10 U
Cadmium	MGL	-	1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Chromium	MGL	-	5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Lead	MGL	-	5	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Mercury	MGL	-	0.2	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium	MGL	-	1	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U
Silver	MGL	-	5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-SL-1,2,3	BH-SL-4,5,6,7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Sample ID				BH-SL-1, 2, 3	BH-SL-4, 5, 6, 7	BH-SL-8,9	BH-WL-1,2,3	BH-WL-4,5,6,7
Matrix				Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)				2.5-6.0	2.5-6.0	2.0-6.0	4.0-6.0	0.0-6.0
Date Sampled				05/14/08	05/14/08	05/13/08	05/12/08	05/13/08
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Miscellaneous Parameters</b>								
Paint Filter Liquids Test	POS/NEG	-	-	NEG	NEG	NEG	NEG	NEG
TPH - Diesel Range Organics	MG/KG	-	-	35 U	53	35 U	35 U	35 U
TPH - Gasoline Range Organics	MG/KG	-	-	29.9 U	30.5 U	31.2 U	29 U	28.5 U
<b>RCRA Characteristics</b>								
Corrosivity (pH)	S.U.	-	2-12.5	9.23	5.92	9.94	10.22	9.93
Ignitability (Solid)	POS/NEG	-	2.2 mm/sec	NEG	NEG	NEG	NEG	NEG
Reactive Cyanide	MG/KG	-	250	40 U	40 U	40 U	40 U	40 U
Reactive Sulfide	MG/KG	-	500	40 U	40 U	40 U	40 U	40 U

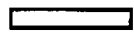
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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Volatile Organic Compounds</b>				
1,1,1,2-Tetrachloroethane	UG/KG	10000	-	2 U
1,1,1-Trichloroethane	UG/KG	800	-	2 U
1,1,2,2-Tetrachloroethane	UG/KG	600	-	2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/KG	6000	-	2 U
1,1,2-Trichloroethane	UG/KG	10000	-	2 U
1,1-Dichloroethane	UG/KG	200	-	2 U
1,1-Dichloroethene	UG/KG	400	-	2 U
1,1-Dichloropropene	UG/KG	10000	-	2 U
1,2,3-Trichlorobenzene	UG/KG	10000	-	2 U
1,2,3-Trichloropropane	UG/KG	400	-	2 U
1,2,4-Trichlorobenzene	UG/KG	3400	-	2 U
1,2,4-Trimethylbenzene	UG/KG	10000	-	13
1,2-Dibromo-3-chloropropane	UG/KG	10000	-	10 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/KG	10000	-	2 U
1,2-Dichlorobenzene	UG/KG	7900	-	2 U
1,2-Dichloroethane	UG/KG	100	-	2 U
1,2-Dichloropropane	UG/KG	10000	-	2 U
1,3,5-Trimethylbenzene	UG/KG	3300	-	5
1,3-Dichlorobenzene	UG/KG	1600	-	2 U
1,3-Dichloropropane	UG/KG	300	-	2 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Volatile Organic Compounds</b>				
1,4-Dichlorobenzene	UG/KG	8500	-	2 U
1-Chlorohexane	UG/KG	10000	-	2 U
2,2-Dichloropropane	UG/KG	10000	-	2 U
2-Chlorotoluene	UG/KG	10000	-	2 U
2-Hexanone	UG/KG	10000	-	10 U
4-Chlorotoluene	UG/KG	10000	-	2 U
4-Methyl-2-pentanone	UG/KG	1000	-	10 U
Acetone	UG/KG	200	-	16
Acrylonitrile	UG/KG	-	-	10 U
Benzene	UG/KG	60 or MDL	-	10
Bromobenzene	UG/KG	10000	-	2 U
Bromochloromethane	UG/KG	10000	-	2 U
Bromodichloromethane	UG/KG	10000	-	2 U
Bromoform	UG/KG	10000	-	2 U
Bromomethane	UG/KG	10000	-	10 U
Carbon disulfide	UG/KG	2700	-	4
Carbon tetrachloride	UG/KG	600	-	2 U
Chlorobenzene	UG/KG	1700	-	2 U
Chloroethane	UG/KG	1500	-	10 U
Chloroform	UG/KG	300	-	2 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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Concentration Exceeds Criteria (1)



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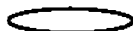
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**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-WL-8,9
Sample ID				BH-WL-8,9
Matrix				Soil
Depth Interval (ft)				2.0-6.0
Date Sampled				05/13/08
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Volatile Organic Compounds</b>				
Chloromethane	UG/KG	10000	-	10 U
cis-1,2-Dichloroethene	UG/KG	10000	-	2 U
cis-1,3-Dichloropropene	UG/KG	10000	-	2 U
Dibromochloromethane	UG/KG	10000	-	2 U
Dichlorodifluoromethane	UG/KG	10000	-	10 U
Ethylbenzene	UG/KG	5500	-	3
Hexachlorobutadiene	UG/KG	50000	-	2 U
Isopropylbenzene	UG/KG	2300	-	2 U
Methyl Ethyl Ketone (2-Butanone)	UG/KG	300	-	10 U
Methyl tert-butyl ether	UG/KG	120	-	2 U
Methylene chloride	UG/KG	100	-	2 U
n-Butylbenzene	UG/KG	10000	-	2 U
n-Propylbenzene	UG/KG	3700	-	2 U
p-Isopropyltoluene	UG/KG	10000	-	2 U
sec-Butylbenzene	UG/KG	10000	-	2 U
Styrene	UG/KG	10000	-	2 U
tert-Butylbenzene	UG/KG	10000	-	2 U
Tetrachloroethene	UG/KG	1400	-	9
Toluene	UG/KG	1500	-	28
trans-1,2-Dichloroethene	UG/KG	300	-	2 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

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Made By: NP 06/02/2008 Checked By: MEB 06/24/2008

Detection Limits shown are PQL



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Volatile Organic Compounds</b>				
trans-1,3-Dichloropropene	UGKG	10000	-	2 U
Trichloroethene	UGKG	700	-	2 U
Trichlorofluoromethane	UGKG	10000	-	10 U
Vinyl acetate	UGKG	10000	-	10 U
Vinyl chloride	UGKG	200	-	10 U
Xylene (total)	UGKG	1200	-	31
Naphthalene	UGKG	13000	-	2 U
Total Volatile Organic Compounds	UGKG	10000	-	119
<b>TCLP Volatile Organic Compounds</b>				
1,1-Dichloroethene	UGL	-	700	10 U
1,2-Dichloroethane	UGL	-	500	10 U
1,4-Dichlorobenzene	UGL	-	7500	10 U
Benzene	UGL	-	500	10 U
Carbon tetrachloride	UGL	-	500	10 U
Chlorobenzene	UGL	-	100000	10 U
Chloroform	UGL	-	6000	10 U
Methyl Ethyl Ketone (2-Butanone)	UGL	-	2.00E+05	100 U
Tetrachloroethene	UGL	-	700	10 U
Trichloroethene	UGL	-	500	10 U
Vinyl chloride	UGL	-	200	10 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4048 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-WL-8,9
Sample ID				BH-WL-8,9
Matrix				Soil
Depth Interval (ft)				2.0-6.0
Date Sampled				05/13/08
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Semivolatile Organic Compounds</b>				
1,2,4-Trichlorobenzene	UG/KG	3400	-	67 U
1,2-Dichlorobenzene	UG/KG	7900	-	67 U
1,3-Dichlorobenzene	UG/KG	1600	-	67 U
1,4-Dichlorobenzene	UG/KG	8500	-	67 U
2,4,5-Trichlorophenol	UG/KG	100	-	67 U
2,4,6-Trichlorophenol	UG/KG	50000	-	130 U
2,4-Dichlorophenol	UG/KG	400	-	130 U
2,4-Dimethylphenol	UG/KG	50000	-	130 U
2,4-Dinitrophenol	UG/KG	200 or MDL	-	130 U
2,4-Dinitrotoluene	UG/KG	50000	-	67 U
2,6-Dinitrotoluene	UG/KG	1000	-	67 U
2-Chloronaphthalene	UG/KG	50000	-	67 U
2-Chlorophenol	UG/KG	800	-	130 U
2-Methylnaphthalene	UG/KG	36400	-	67 U
2-Methylphenol (o-cresol)	UG/KG	100 or MDL	-	67 U
2-Nitroaniline	UG/KG	430 or MDL	-	67 U
2-Nitrophenol	UG/KG	330 or MDL	-	130 U
3,3'-Dichlorobenzidine	UG/KG	50000	-	67 U
3&4-Methylphenol	UG/KG	900	-	130 U
3-Nitroaniline	UG/KG	500 or MDL	-	67 U

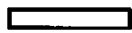
Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.



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Detection Limits shown are PQL

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**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Semivolatile Organic Compounds</b>				
4,6-Dinitro-2-methylphenol	UG/KG	50000	-	130 U
4-Bromophenylphenylether	UG/KG	50000	-	67 U
4-Chloro-3-methylphenol	UG/KG	240 or MDL	-	130 U
4-Chloroaniline	UG/KG	220 or MDL	-	67 U
4-Chlorophenylphenylether	UG/KG	50000	-	67 U
4-Nitroaniline	UG/KG	50000	-	67 U
4-Nitrophenol	UG/KG	100 or MDL	-	130 U
Acenaphthene	UG/KG	50000	-	67 U
Acenaphthylene	UG/KG	41000	-	67 U
Aniline	UG/KG	100	-	67 U
Anthracene	UG/KG	50000	-	67 U
Benzidine	UG/KG	50000	-	330 U
Benzo(a)anthracene	UG/KG	224 or MDL	-	67 U
Benzo(a)pyrene	UG/KG	61 or MDL	-	67 U
Benzo(b)fluoranthene	UG/KG	1100	-	67 U
Benzo(g,h,i)perylene	UG/KG	50000	-	67 U
Benzo(k)fluoranthene	UG/KG	1100	-	67 U
Benzoic acid	UG/KG	2700	-	330 U
Benzyl alcohol	UG/KG	50000	-	67 U
bis(2-Chloroethoxy)methane	UG/KG	50000	-	67 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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**US ROUTE 20A/NY ROUTE 16/NY ROUTE 78 EAST AURORA, ERIE COUNTY, NY**  
**PIN 5576.67.101**

Location ID				BH-WL-8,9
Sample ID				BH-WL-8,9
Matrix				Soil
Depth Interval (ft)				2.0-6.0
Date Sampled				05/13/08
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Semivolatile Organic Compounds</b>				
bis(2-Chloroethyl)ether	UG/KG	50000	-	67 U
bis(2-chloroisopropyl)ether	UG/KG	50000	-	67 U
bis(2-Ethylhexyl)phthalate	UG/KG	50000	-	67 U
Butylbenzylphthalate	UG/KG	50000	-	67 U
Carbazole	UG/KG	50000	-	67 U
Chrysene	UG/KG	400	-	67 U
Dibenz(a,h)anthracene	UG/KG	14 or MDL	-	67 U
Dibenzofuran	UG/KG	6200	-	67 U
Diethylphthalate	UG/KG	7100	-	67 U
Dimethylphthalate	UG/KG	2000	-	67 U
Di-n-butylphthalate	UG/KG	8100	-	67 U
Di-n-octylphthalate	UG/KG	50000	-	67 U
Fluoranthene	UG/KG	50000	-	67 U
Fluorene	UG/KG	50000	-	67 U
Hexachlorobenzene	UG/KG	410	-	67 U
Hexachlorobutadiene	UG/KG	50000	-	67 U
Hexachlorocyclopentadiene	UG/KG	50000	-	130 U
Hexachloroethane	UG/KG	50000	-	67 U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	-	67 U
Isophorone	UG/KG	4400	-	67 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-84-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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**PIN 5576.67.101**

Location ID				BH-WL-8,9
Sample ID				BH-WL-8,9
Matrix				Soil
Depth Interval (ft)				2.0-6.0
Date Sampled				05/13/08
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Semivolatile Organic Compounds</b>				
Naphthalene	UG/KG	13000	-	87 U
Nitrobenzene	UG/KG	200 or MDL	-	87 U
N-Nitroso-di-n-propylamine	UG/KG	50000	-	87 U
N-Nitrosodimethylamine	UG/KG	50000	-	87 U
N-Nitrosodiphenylamine	UG/KG	50000	-	87 U
Pentachlorophenol	UG/KG	1000 or MDL	-	130 U
Phenanthrene	UG/KG	50000	-	87 U
Phenol	UG/KG	30 or MDL	-	130 U
Pyrene	UG/KG	50000	-	87 U
Total Semivolatile Organic Compounds	UG/KG	5.00E+05	-	ND
<b>TCLP Semivolatile Organic Compounds</b>				
1,4-Dichlorobenzene	UGL	-	7500	8 U
2,4,5-Trichlorophenol	UGL	-	4.00E+05	8 UJ
2,4,6-Trichlorophenol	UGL	-	2000	18 UJ
2,4-Dinitrotoluene	UGL	-	130	8 U
Hexachlorobenzene	UGL	-	130	8 U
Hexachlorobutadiene	UGL	-	500	8 U
Hexachloroethane	UGL	-	3000	8 U
Nitrobenzene	UGL	-	2000	8 U
Pentachlorophenol	UGL	-	100000	18 UJ

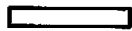
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**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>TCLP Semivolatile Organic Compounds</b>				
Pyridine	UGL	-	5000	8 U
Total Cresols (o,m & p)	UGL	-	2.00E+05	24 UJ
<b>Polychlorinated Biphenyls</b>				
Aroclor 1016	UG/KG	1000	-	45.4 U
Aroclor 1221	UG/KG	1000	-	45.4 U
Aroclor 1232	UG/KG	1000	-	45.4 U
Aroclor 1242	UG/KG	1000	-	45.4 U
Aroclor 1248	UG/KG	1000	-	45.4 U
Aroclor 1254	UG/KG	1000	-	45.4 U
Aroclor 1260	UG/KG	1000	-	45.4 U
Total Polychlorinated Biphenyls	UG/KG	1000	-	ND
<b>TCLP Metals</b>				
Arsenic	MGL	-	5	0.045 U
Barium	MGL	-	100	10 U
Cadmium	MGL	-	1	0.025 U
Chromium	MGL	-	5	0.025 U
Lead	MGL	-	5	0.075 U
Mercury	MGL	-	0.2	0.001 U
Selenium	MGL	-	1	0.095 U
Silver	MGL	-	5	0.025 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

Criteria (2)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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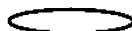
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**PIN 5576.67.101**

Location ID		BH-WL-8,9		
Sample ID		BH-WL-8,9		
Matrix		Soil		
Depth Interval (ft)		2.0-6.0		
Date Sampled		05/13/08		
Parameter	Units	Criteria (1)	Criteria (2)	
<b>Miscellaneous Parameters</b>				
Paint Filter Liquids Test	POS/NEG	-	-	NEG
TPH - Diesel Range Organics	MG/KG	-	-	35 U
TPH - Gasoline Range Organics	MG/KG	-	-	29 U
<b>RCRA Characteristics</b>				
Corrosivity (pH)	S.U.	-	2-12.5	10.22
Ignitability (Solid)	POS/NEG	-	2.2 mm/sec	NEG
Reactive Cyanide	MG/KG	-	250	40 U
Reactive Sulfide	MG/KG	-	500	40 U

Criteria (1)- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 with addition of STARS compounds as per NYSDEC, 8/22/01.

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**ATTACHMENT A**  
**ANALYTICAL DATA PACKAGES**



**WASTE STREAM TECHNOLOGY, INC.**

302 Grote Street  
Buffalo, NY 14207  
(716) 876-5290

**Analytical Data Report**  
Report Date: 05/28/08  
Work Order Number: 8E14002

**Prepared For**  
George Kisluk

URS Corporation Group Consultants  
77 Goodell Street  
Buffalo, NY 14203  
Fax: (716) 856-2545

Site: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora

Enclosed are the results of analyses for samples received by the laboratory on 05/14/08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



\_\_\_\_\_  
Brian S. Schepart, Ph.D., Laboratory Director

**ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS**  
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068



Waste Stream Technology Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk  
Reported: 05/28/08 15:07

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-WL-1,2,3	8E14002-01	Soil	05/12/08 13:00	05/14/08 08:12
BH-WL-4,5,6,7	8E14002-02	Soil	05/13/08 11:55	05/14/08 08:12
BH-WL-8,9	8E14002-03	Soil	05/13/08 15:20	05/14/08 08:12
BH-SL-8,9	8E14002-04	Soil	05/13/08 17:20	05/14/08 08:12

#### Case Narrative

This narrative pertains to the four soil samples from the NYSDOT Route 20A, Route 16, and Route 78 East A project (11174957.00000) that were collected on May 12, 2008 and May 13, 2008. The four samples were received on May 14, 2008. The samples correspond to the Waste Stream Technology Inc. work order number 8E14002 and sample ID numbers 8E14002-01 through 8E14002-04.

1. **Sample Receipt and Preservation:** There were no problems observed with the receipt and preservation of the sample from work order number 8E14002.

2. **Sample Holding Times:** The required holding times were met for all of the extractions and analyses performed on the samples from work order number 8E14002.

3. **Method Blank Analysis:** The method blanks analyzed for each of the analytical parameters performed on the samples from work order number 8E14002 did not contain any target analytes with the following exceptions

3.1 In the method blank associated with metals analysis barium was detected at 0.106 mg/L. Barium was detected in all four of the samples from work order number 8E14002, but at levels less than 10 times the amount of the blank. Therefore all four samples were flagged with a B qualifier.

3.2 The method blank associated with the volatile organic compound analysis Method 8260B contained the compound methylene chloride at 2.4 µg/kg. Methylene chloride was not detected in any of the four samples from work order number 8E14002 and therefore no qualifiers were assigned.

4. **Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) Analysis:** Recoveries of the target analytes from the laboratory control samples associated with the analyses performed on the samples from work order number 8E14002 were found to be within the control limits.

5. **Matrix spike (MS) and matrix spike duplicate (MSD) Analysis:** Recoveries of the target analytes from the MS and MSD samples associated with the analyses performed on the samples from work order number 8E14002 were found to be within the control limits with the following exceptions

5.1 In the matrix spike AE81611-MS1 for metals, the recovery of silver was below QC limits and flagged with the L qualifier. In addition, the RPD of silver in the matrix spike duplicate AE81611-MSD1 was outside QC limits and was flagged with the # qualifier.

5.2 In the matrix spike AE81618-MS1/MSD1 for semivolatile organic compounds the recovery of 3-nitroaniline was outside QC limits due to the matrix effect and flagged with the QM-01 qualifier. In addition, in the MSD sample, the RPD for benzidine was outside QC limits and flagged with the # qualifier.

Waste Stream Technology Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk  
Reported: 05/28/08 14:58

**6. Surrogate Compound Recoveries:** The recoveries of the surrogate compounds from the GC and GC/MS analyses of the samples from work order number 8E14002 and the associated QC samples were found to be within the control limits with the following exceptions:

6.1 The recoveries of the surrogates 2-fluorophenol and 2,4,6-tribromophenol from the Method 8270C analysis of sample numbers 8E14002-01 and 8E14002-04 were outside QC limits. These recoveries were flagged with the S-04 data qualifier, as sample matrix effects are the suspected cause for the low recoveries.

6.2 The recovery of the surrogates nitrobenzene d-5 and 2-fluorobiphenyl from the Method 8270C analysis of the method blank were low and flagged with the L qualifier.

**7. Internal Standard Recoveries:** The recoveries of the internal standard compounds from the Method 8260B and Method 8270C GC/MS analyses that were performed on the samples from work order number 8E14002 and the associated quality control samples were found to be within the method limits.

#### **8. Other Observations**

8.1 Due to the level of target and non-target metals in the sample, the Metals extract of sample numbers 8E14002-01 through 8E14002-04 were analyzed at a dilution factor of 5. The Metals reporting limits for this sample have been adjusted accordingly.

URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Extractable Petroleum Hydrocarbons by 8015 DRO  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> Sampled: 05/12/08 13:00 Received: 05/14/08 08:12									
Diesel Range Organics (C10-C28)	ND	35	mg/kg dry	1	AE82022	05/20/08	05/20/08	8015B	U
Surrogate: Chlorobenzene		102 %	60-152		"	"	"	"	
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> Sampled: 05/13/08 11:55 Received: 05/14/08 08:12									
Diesel Range Organics (C10-C28)	ND	35	mg/kg dry	1	AE82022	05/20/08	05/20/08	8015B	U
Surrogate: Chlorobenzene		105 %	60-152		"	"	"	"	
<b>BH-WL-8,9 (8E14002-03) Soil</b> Sampled: 05/13/08 15:20 Received: 05/14/08 08:12									
Diesel Range Organics (C10-C28)	ND	35	mg/kg dry	1	AE82022	05/20/08	05/20/08	8015B	U
Surrogate: Chlorobenzene		101 %	60-152		"	"	"	"	
<b>BH-SL-8,9 (8E14002-04) Soil</b> Sampled: 05/13/08 17:20 Received: 05/14/08 08:12									
Diesel Range Organics (C10-C28)	ND	35	mg/kg dry	1	AE82022	05/20/08	05/20/08	8015B	U
Surrogate: Chlorobenzene		101 %	60-152		"	"	"	"	

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 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**TCLP Metals by 6000/7000 Series Methods**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> Sampled: 05/12/08 13:00 Received: 05/14/08 08:12									
Mercury	ND	0.001	mg/L	1	AE81603	05/16/08	05/16/08	EPA 7470A	U
Silver	ND	0.025	"	5	AE81611	05/16/08	05/16/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
<b>Barium</b>	<b>0.337 ND</b>	<b>0.025</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>B</b>
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> Sampled: 05/13/08 11:55 Received: 05/14/08 08:12									
Mercury	ND	0.001	mg/L	1	AE81603	05/16/08	05/16/08	EPA 7470A	U
Silver	ND	0.025	"	5	AE81611	05/16/08	05/16/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
<b>Barium</b>	<b>0.593 ND</b>	<b>0.025</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>B</b>
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U
<b>BH-WL-8,9 (8E14002-03) Soil</b> Sampled: 05/13/08 15:20 Received: 05/14/08 08:12									
Mercury	ND	0.001	mg/L	1	AE81603	05/16/08	05/16/08	EPA 7470A	U
Silver	ND	0.025	"	5	AE81611	05/16/08	05/16/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	05/16/08	"	U
<b>Barium</b>	<b>0.598 ND</b>	<b>0.025</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>05/16/08</b>	<b>"</b>	<b>B</b>
Cadmium	ND	0.025	"	"	"	"	05/16/08	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**TCLP Metals by 6000/7000 Series Methods**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-8,9 (8E14002-04) Soil</b> <b>Sampled: 05/13/08 17:20</b> <b>Received: 05/14/08 08:12</b>									
Mercury	ND	0.001	mg/L	1	AE81603	05/16/08	05/16/08	EPA 7470A	U
Silver	ND	0.025	"	5	AE81611	05/16/08	05/16/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
Barium	<del>0.578</del> ND	0.025	"	"	"	"	"	"	B
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U

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 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**Polychlorinated Biphenyls by EPA Method 8082**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> <b>Sampled: 05/12/08 13:00</b> <b>Received: 05/14/08 08:12</b>									
Aroclor 1016	ND	36.4	ug/kg dry	1	AE81506	05/15/08	05/15/08	8082	U
Aroclor 1221	ND	36.4	"	"	"	"	"	"	U
Aroclor 1232	ND	36.4	"	"	"	"	"	"	U
Aroclor 1242	ND	36.4	"	"	"	"	"	"	U
Aroclor 1248	ND	36.4	"	"	"	"	"	"	U
Aroclor 1254	ND	36.4	"	"	"	"	"	"	U
Aroclor 1260	ND	36.4	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		101 %	74-133	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		107 %	61-133	"	"	"	"	"	
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> <b>Sampled: 05/13/08 11:55</b> <b>Received: 05/14/08 08:12</b>									
Aroclor 1016	ND	40.6	ug/kg dry	1	AE81506	05/15/08	05/15/08	8082	U
Aroclor 1221	ND	40.6	"	"	"	"	"	"	U
Aroclor 1232	ND	40.6	"	"	"	"	"	"	U
Aroclor 1242	ND	40.6	"	"	"	"	"	"	U
Aroclor 1248	ND	40.6	"	"	"	"	"	"	U
Aroclor 1254	ND	40.6	"	"	"	"	"	"	U
Aroclor 1260	ND	40.6	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		99.5 %	74-133	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		109 %	61-133	"	"	"	"	"	
<b>BH-WL-8,9 (8E14002-03) Soil</b> <b>Sampled: 05/13/08 15:20</b> <b>Received: 05/14/08 08:12</b>									
Aroclor 1016	ND	45.4	ug/kg dry	1	AE81506	05/15/08	05/15/08	8082	U
Aroclor 1221	ND	45.4	"	"	"	"	"	"	U
Aroclor 1232	ND	45.4	"	"	"	"	"	"	U
Aroclor 1242	ND	45.4	"	"	"	"	"	"	U
Aroclor 1248	ND	45.4	"	"	"	"	"	"	U
Aroclor 1254	ND	45.4	"	"	"	"	"	"	U
Aroclor 1260	ND	45.4	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		106 %	74-133	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		112 %	61-133	"	"	"	"	"	

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**Polychlorinated Biphenyls by EPA Method 8082**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-8,9 (8E14002-04) Soil    Sampled: 05/13/08 17:20    Received: 05/14/08 08:12</b>									
Aroclor 1016	ND	43.0	ug/kg dry	1	AE81506	05/15/08	05/15/08	8082	U
Aroclor 1221	ND	43.0	"	"	"	"	"	"	U
Aroclor 1232	ND	43.0	"	"	"	"	"	"	U
Aroclor 1242	ND	43.0	"	"	"	"	"	"	U
Aroclor 1248	ND	43.0	"	"	"	"	"	"	U
Aroclor 1254	ND	43.0	"	"	"	"	"	"	U
Aroclor 1260	ND	43.0	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		104 %	74-133		"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		113 %	61-133		"	"	"	"	



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 Project Manager: George Kisluk

Reported:  
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**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (SE14002-01) Soil Sampled: 05/12/08 13:00 Received: 05/14/08 08:12</b>									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	21	10	"	"	"	"	"	"	
carbon disulfide	2	2	"	"	"	"	"	"	
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	2	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
bromochloromethane	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
1,1-dichloropropene	ND	2	"	"	"	"	"	"	U
benzene	3	2	"	"	"	"	"	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	6	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	52	2	"	"	"	"	"	"	
1,3-dichloropropane	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
1-chlorohexane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil    Sampled: 05/12/08 13:00    Received: 05/14/08 08:12</b>									
m,p-xylene	ND	4	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
isopropylbenzene	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
bromobenzene	ND	2	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	2	"	"	"	"	"	"	U
n-propylbenzene	ND	2	"	"	"	"	"	"	U
2-chlorotoluene	ND	2	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	ND	2	"	"	"	"	"	"	U
4-chlorotoluene	ND	2	"	"	"	"	"	"	U
tert-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	ND	2	"	"	"	"	"	"	U
sec-butylbenzene	ND	2	"	"	"	"	"	"	U
p-isopropyltoluene	ND	2	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	2	"	"	"	"	"	"	U
n-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	2	"	"	"	"	"	"	U
hexachlorobutadiene	ND	2	"	"	"	"	"	"	U
naphthalene	ND	2	"	"	"	"	"	"	U
1,2,3-trichlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		95.7 %	79-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	81-118		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.3 %	85-104		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	77-117		"	"	"	"	

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Project: DOT Projects  
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Reported:  
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**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> <b>Sampled: 05/13/08 11:55</b> <b>Received: 05/14/08 08:12</b>									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	31	10	"	"	"	"	"	"	
carbon disulfide	3	2	"	"	"	"	"	"	
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	2	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
bromochloromethane	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
1,1-dichloropropene	ND	2	"	"	"	"	"	"	U
benzene	5	2	"	"	"	"	"	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	4	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	12	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	209	2	"	"	"	"	"	"	
1,3-dichloropropane	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
1-chlorohexane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk  
Reported: 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-4,5,6,7 (8E14002-02) Soil Sampled: 05/13/08 11:55 Received: 05/14/08 08:12</b>									
m,p-xylene	10	4	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
isopropylbenzene	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
bromobenzene	ND	2	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	2	"	"	"	"	"	"	U
n-propylbenzene	ND	2	"	"	"	"	"	"	U
2-chlorotoluene	ND	2	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	ND	2	"	"	"	"	"	"	U
4-chlorotoluene	ND	2	"	"	"	"	"	"	U
tert-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	4	2	"	"	"	"	"	"	
sec-butylbenzene	ND	2	"	"	"	"	"	"	U
p-isopropyltoluene	ND	2	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	2	"	"	"	"	"	"	U
n-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	2	"	"	"	"	"	"	U
hexachlorobutadiene	ND	2	"	"	"	"	"	"	U
naphthalene	ND	2	"	"	"	"	"	"	U
1,2,3-trichlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		95.3 %	79-120		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	81-118		"	"	"	"	
Surrogate: Toluene-d8		97.3 %	85-104		"	"	"	"	
Surrogate: Bromofluorobenzene		101 %	77-117		"	"	"	"	

URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-8,9 (8E14002-03) Soil Sampled: 05/13/08 15:20 Received: 05/14/08 08:12</b>									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	16	10	"	"	"	"	"	"	
carbon disulfide	4	2	"	"	"	"	"	"	
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	2	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
bromochloromethane	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
1,1-dichloropropene	ND	2	"	"	"	"	"	"	U
benzene	10	2	"	"	"	"	"	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	28	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	9	2	"	"	"	"	"	"	
1,3-dichloropropane	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
1-chlorohexane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	3	2	"	"	"	"	"	"	

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-8,9 (8E14002-03) Soil Sampled: 05/13/08 15:20 Received: 05/14/08 08:12</b>									
m,p-xylene	25	4	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	
o-xylene	6	2	"	"	"	"	"	"	
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
isopropylbenzene	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
bromobenzene	ND	2	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	2	"	"	"	"	"	"	U
n-propylbenzene	ND	2	"	"	"	"	"	"	U
2-chlorotoluene	ND	2	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	5	2	"	"	"	"	"	"	
4-chlorotoluene	ND	2	"	"	"	"	"	"	U
tert-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	13	2	"	"	"	"	"	"	
sec-butylbenzene	ND	2	"	"	"	"	"	"	U
p-isopropyltoluene	ND	2	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	2	"	"	"	"	"	"	U
n-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	2	"	"	"	"	"	"	U
hexachlorobutadiene	ND	2	"	"	"	"	"	"	U
naphthalene	ND	2	"	"	"	"	"	"	U
1,2,3-trichlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		95.8 %	79-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.0 %	81-118		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.8 %	85-104		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		111 %	77-117		"	"	"	"	

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-8,9 (8E14002-04) Soil Sampled: 05/13/08 17:20 Received: 05/14/08 08:12</b>									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	26	10	"	"	"	"	"	"	
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	2	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
bromochloromethane	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
1,1-dichloropropene	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	3	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	123	2	"	"	"	"	"	"	
1,3-dichloropropane	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
1-chlorohexane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-8,9 (8E14002-04) Soil Sampled: 05/13/08 17:20 Received: 05/14/08 08:12</b>									
m,p-xylene	ND	4	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
o-xylene	ND	2	"	"	"	"	"	"	U
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
isopropylbenzene	ND	2	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
bromobenzene	ND	2	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	2	"	"	"	"	"	"	U
n-propylbenzene	ND	2	"	"	"	"	"	"	U
2-chlorotoluene	ND	2	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	ND	2	"	"	"	"	"	"	U
4-chlorotoluene	ND	2	"	"	"	"	"	"	U
tert-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	ND	2	"	"	"	"	"	"	U
sec-butylbenzene	ND	2	"	"	"	"	"	"	U
p-isopropyltoluene	ND	2	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	2	"	"	"	"	"	"	U
n-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	2	"	"	"	"	"	"	U
hexachlorobutadiene	ND	2	"	"	"	"	"	"	U
naphthalene	ND	2	"	"	"	"	"	"	U
1,2,3-trichlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		105 %	79-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.6 %	81-118		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91.4 %	85-104		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	77-117		"	"	"	"	



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 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> <b>Sampled: 05/12/08 13:00</b> <b>Received: 05/14/08 08:12</b>									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AE81618	05/16/08	05/19/08	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
Aniline	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> <b>Sampled: 05/12/08 13:00</b> <b>Received: 05/14/08 08:12</b>									
4-Chlorophenyl phenyl ether	ND	67	ug/kg dry	1	AE81618	05/16/08	05/19/08	8270	U
Diethyl phthalate	ND	67	"	"	"	"	"	"	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	95	67	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		74.9 %	43-104	"	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		83.0 %	52-109	"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		67.4 %	52-111	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		72.8 %	60-111	"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		70.5 %	46-130	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		76.1 %	36-139	"	"	"	"	"	

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Reported: 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> <b>Sampled: 05/13/08 11:55</b> <b>Received: 05/14/08 08:12</b>									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AE81618	05/16/08	05/19/08	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
Aniline	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-4,5,6,7 (8E14002-02) Soil    Sampled: 05/13/08 11:55    Received: 05/14/08 08:12</b>									
4-Chlorophenyl phenyl ether	ND	67	ug/kg dry	1	AE81618	05/16/08	05/19/08	8270	U
Diethyl phthalate	ND	67	"	"	"	"	"	"	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	81	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
<i>Surrogate: 2-Fluorophenol</i>		78.7 %	43-104		"	"	"	"	
<i>Surrogate: Phenol-d6</i>		84.3 %	52-109		"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		70.7 %	52-111		"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		72.0 %	60-111		"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		70.8 %	46-130		"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		81.4 %	36-139		"	"	"	"	

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-WL-8,9 (8E14002-03) Soil Sampled: 05/13/08 15:20 Received: 05/14/08 08:12									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
Aniline	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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 77 Goodell Street  
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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-8,9 (8E14002-03) Soil Sampled: 05/13/08 15:20 Received: 05/14/08 08:12</b>									
4-Chlorophenyl phenyl ether	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
Diethyl phthalate	ND	67	"	"	"	"	"	"	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
<i>Surrogate: 2-Fluorophenol</i>		76.8 %	43-104	"	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		83.1 %	52-109	"	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		68.4 %	52-111	"	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		70.7 %	60-111	"	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		66.5 %	46-130	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		74.9 %	36-139	"	"	"	"	"	

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Reported: 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-8,9 (8E14002-04) Soil Sampled: 05/13/08 17:20 Received: 05/14/08 08:12</b>									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
Aniline	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-8,9 (8E14002-04) Soil Sampled: 05/13/08 17:20 Received: 05/14/08 08:12</b>									
4-Chlorophenyl phenyl ether	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
Diethyl phthalate	ND	67	"	"	"	"	"	"	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	ND	67	"	"	"	"	"	"	U
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	ND	67	"	"	"	"	"	"	U
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	ND	67	"	"	"	"	"	"	U
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	67	"	"	"	"	"	"	U
<i>Surrogate: 2-Fluorophenol</i>		78.9 %		43-104	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		84.2 %		52-109	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		67.7 %		52-111	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		70.1 %		60-111	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		74.3 %		46-130	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		77.0 %		36-139	"	"	"	"	



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Project: DOT Projects  
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Project Manager: George Kisluk  
Reported: 05/28/08 13:52

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> <b>Sampled: 05/12/08 13:00</b> <b>Received: 05/14/08 08:12</b>									
vinyl chloride	ND	10	ug/l	1	AE82014	05/20/08	05/20/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		95.5 %	76-106		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	87-117		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.1 %	85-106		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	87-118		"	"	"	"	
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> <b>Sampled: 05/13/08 11:55</b> <b>Received: 05/14/08 08:12</b>									
vinyl chloride	ND	10	ug/l	1	AE82014	05/20/08	05/20/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		95.4 %	76-106		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	87-117		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		87.9 %	85-106		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		101 %	87-118		"	"	"	"	

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 Reported: 05/28/08 13:52

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-8,9 (8E14002-03) Soil Sampled: 05/13/08 15:20 Received: 05/14/08 08:12</b>									
vinyl chloride	ND	10	ug/l	1	AE82014	05/20/08	05/20/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		96.3 %	76-106		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	87-117		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.9 %	85-106		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	87-118		"	"	"	"	
<b>BH-SL-8,9 (8E14002-04) Soil Sampled: 05/13/08 17:20 Received: 05/14/08 08:12</b>									
vinyl chloride	ND	10	ug/l	1	AE82014	05/20/08	05/20/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	17	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		92.1 %	76-106		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	87-117		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.4 %	85-106		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	87-118		"	"	"	"	

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 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**BH-WL-1,2,3 (8E14002-01) Soil**    **Sampled: 05/12/08 13:00**    **Received: 05/14/08 08:12**

pyridine	ND	8	ug/l	1	AE81607	05/16/08	05/20/08	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U <i>UJ</i>
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U <i>UJ</i>
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U <i>UJ</i>
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U <i>UJ</i>
<i>Surrogate: 2-Fluorophenol</i>		<i>12.4 %</i>	<i>14-66</i>						<i>S-04</i>
<i>Surrogate: Phenol-d6</i>		<i>11.3 %</i>	<i>7-43</i>						
<i>Surrogate: Nitrobenzene-d5</i>		<i>65.6 %</i>	<i>46-103</i>						
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>65.3 %</i>	<i>50-105</i>						
<i>Surrogate: 2,4,6-Tribromophenol</i>		<i>40.8 %</i>	<i>44-120</i>						<i>S-04</i>
<i>Surrogate: Terphenyl-d14</i>		<i>69.3 %</i>	<i>57-107</i>						

**BH-WL-4,5,6,7 (8E14002-02) Soil**    **Sampled: 05/13/08 11:55**    **Received: 05/14/08 08:12**

pyridine	ND	8	ug/l	1	AE81607	05/16/08	05/19/08	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U
<i>Surrogate: 2-Fluorophenol</i>		<i>27.3 %</i>	<i>14-66</i>						
<i>Surrogate: Phenol-d6</i>		<i>21.6 %</i>	<i>7-43</i>						
<i>Surrogate: Nitrobenzene-d5</i>		<i>58.0 %</i>	<i>46-103</i>						
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>59.4 %</i>	<i>50-105</i>						
<i>Surrogate: 2,4,6-Tribromophenol</i>		<i>56.5 %</i>	<i>44-120</i>						
<i>Surrogate: Terphenyl-d14</i>		<i>60.6 %</i>	<i>57-107</i>						

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**BH-WL-8.9 (8E14002-03) Soil** Sampled: 05/13/08 15:20 Received: 05/14/08 08:12

pyridine	ND	8	ug/l	1	AE81607	05/16/08	05/19/08	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		24.6 %	14-66		"	"	"	"	
Surrogate: Phenol-d6		21.4 %	7-43		"	"	"	"	
Surrogate: Nitrobenzene-d5		62.4 %	46-103		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		65.4 %	50-105		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		50.7 %	44-120		"	"	"	"	
Surrogate: Terphenyl-d14		68.8 %	57-107		"	"	"	"	

**BH-SL-8.9 (8E14002-04) Soil** Sampled: 05/13/08 17:20 Received: 05/14/08 08:12

pyridine	ND	8	ug/l	1	AE81607	05/16/08	05/20/08	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U VJ
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U VJ
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U VJ
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U VJ
Surrogate: 2-Fluorophenol		11.9 %	14-66		"	"	"	"	S-04
Surrogate: Phenol-d6		11.0 %	7-43		"	"	"	"	
Surrogate: Nitrobenzene-d5		58.8 %	46-103		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		60.8 %	50-105		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		34.1 %	44-120		"	"	"	"	S-04
Surrogate: Terphenyl-d14		67.0 %	57-107		"	"	"	"	

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 Reported: 05/28/08 13:52

**Conventional Chemistry Parameters by EPA Methods  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> <b>Sampled: 05/12/08 13:00</b> <b>Received: 05/14/08 08:12</b>									
pH	10.22	0.10	pH Units	1	AE81621	05/16/08	05/16/08	EPA 9045C	
% Solids	83.0	0.1	%	"	AE81505	05/14/08	05/15/08	% calculation	
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> <b>Sampled: 05/13/08 11:55</b> <b>Received: 05/14/08 08:12</b>									
pH	9.93	0.10	pH Units	1	AE81621	05/16/08	05/16/08	EPA 9045C	
% Solids	82.7	0.1	%	"	AE81505	05/14/08	05/15/08	% calculation	
<b>BH-WL-8,9 (8E14002-03) Soil</b> <b>Sampled: 05/13/08 15:20</b> <b>Received: 05/14/08 08:12</b>									
pH	10.22	0.10	pH Units	1	AE81621	05/16/08	05/16/08	EPA 9045C	
% Solids	86.4	0.1	%	"	AE81505	05/14/08	05/15/08	% calculation	
<b>BH-SL-8,9 (8E14002-04) Soil</b> <b>Sampled: 05/13/08 17:20</b> <b>Received: 05/14/08 08:12</b>									
pH	9.94	0.10	pH Units	1	AE81621	05/16/08	05/16/08	EPA 9045C	
% Solids	83.5	0.1	%	"	AE81505	05/14/08	05/15/08	% calculation	

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Project: DOT Projects  
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 Reported: 05/28/08 13:52

**Physical Parameters by APHA/ASTM/EPA Methods  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> <b>Sampled: 05/12/08 13:00</b> <b>Received: 05/14/08 08:12</b>									
Ignitability by DOT	Pass		N/A	1	AE81512	05/15/08	05/15/08	EPA 1030	
Free Liquid	Pass	1.00	"	"	AE81614	05/16/08	05/16/08	EPA 9095	
Reactive Cyanide	ND	40.0	mg/kg	"	AE82120	05/19/08	05/21/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AE82114	"	05/21/08	Section 7.3.4.2	U
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> <b>Sampled: 05/13/08 11:55</b> <b>Received: 05/14/08 08:12</b>									
Ignitability by DOT	Pass		N/A	1	AE81512	05/15/08	05/15/08	EPA 1030	
Free Liquid	Pass	1.00	"	"	AE81614	05/16/08	05/16/08	EPA 9095	
Reactive Cyanide	ND	40.0	mg/kg	"	AE82120	05/19/08	05/21/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AE82114	"	05/21/08	Section 7.3.4.2	U
<b>BH-WL-8,9 (8E14002-03) Soil</b> <b>Sampled: 05/13/08 15:20</b> <b>Received: 05/14/08 08:12</b>									
Ignitability by DOT	Pass		N/A	1	AE81512	05/15/08	05/15/08	EPA 1030	
Free Liquid	Pass	1.00	"	"	AE81614	05/16/08	05/16/08	EPA 9095	
Reactive Cyanide	ND	40.0	mg/kg	"	AE82120	05/19/08	05/21/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AE82114	"	05/21/08	Section 7.3.4.2	U
<b>BH-SL-8,9 (8E14002-04) Soil</b> <b>Sampled: 05/13/08 17:20</b> <b>Received: 05/14/08 08:12</b>									
Ignitability by DOT	Pass		N/A	1	AE81512	05/15/08	05/15/08	EPA 1030	
Free Liquid	Pass	1.00	"	"	AE81614	05/16/08	05/16/08	EPA 9095	
Reactive Cyanide	ND	40.0	mg/kg	"	AE82120	05/19/08	05/21/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AE82114	"	05/21/08	Section 7.3.4.2	U

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
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 Reported: 05/28/08 13:52

**Gasoline Range Organics by EPA 8015B  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-WL-1,2,3 (8E14002-01) Soil</b> Sampled: 05/12/08 13:00 Received: 05/14/08 08:12									
Gasoline Range Organics	ND	29.0	mg/kg dry	1	AE81610	05/16/08	05/16/08	8015B	U
Surrogate: Naphthalene-d8		91.0 %	51-137		"	"	"	"	
<b>BH-WL-4,5,6,7 (8E14002-02) Soil</b> Sampled: 05/13/08 11:55 Received: 05/14/08 08:12									
Gasoline Range Organics	ND	28.5	mg/kg dry	1	AE81610	05/16/08	05/16/08	8015B	U
Surrogate: Naphthalene-d8		102 %	51-137		"	"	"	"	
<b>BH-WL-8,9 (8E14002-03) Soil</b> Sampled: 05/13/08 15:20 Received: 05/14/08 08:12									
Gasoline Range Organics	ND	29.0	mg/kg dry	1	AE81610	05/16/08	05/16/08	8015B	U
Surrogate: Naphthalene-d8		98.0 %	51-137		"	"	"	"	
<b>BH-SL-8,9 (8E14002-04) Soil</b> Sampled: 05/13/08 17:20 Received: 05/14/08 08:12									
Gasoline Range Organics	ND	31.2	mg/kg dry	1	AE81610	05/16/08	05/16/08	8015B	U
Surrogate: Naphthalene-d8		97.5 %	51-137		"	"	"	"	

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 Reported: 05/28/08 13:52

**Extractable Petroleum Hydrocarbons by 8015 DRO - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE82022 - EPA 3550B</b>										
<b>Blank (AE82022-BLK1)</b>										
Prepared & Analyzed: 05/20/08										
Diesel Range Organics(C10-C28)	ND	35	mg/kg wet							U
Surrogate: Chlorobenzene	13.0		"	10.0		130	60-152			
<b>LCS (AE82022-BS1)</b>										
Prepared & Analyzed: 05/20/08										
Diesel Range Organics(C10-C28)	189	35	mg/kg wet	167		113	61-141			
Surrogate: Chlorobenzene	10.3		"	10.0		103	60-152			



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 Reported: 05/28/08 13:52

**TCLP Metals by 6000/7000 Series Methods - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81603 - EPA 7470A Leachate**

**Blank (AE81603-BLK1)** Prepared & Analyzed: 05/16/08

Mercury	ND	0.001	mg/L							U
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**LCS (AE81603-BS1)** Prepared & Analyzed: 05/16/08

Mercury	0.00331	0.001	mg/L	0.00333		99.2	80-120			
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**Matrix Spike (AE81603-MS1)** Source: 8E14002-01 Prepared & Analyzed: 05/16/08

Mercury	0.00323	0.001	mg/L	0.00333	ND	97.0	75-125			
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**Matrix Spike Dup (AE81603-MSD1)** Source: 8E14002-01 Prepared & Analyzed: 05/16/08

Mercury	0.00326	0.001	mg/L	0.00333	ND	97.9	75-125	0.985	25	
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**Batch AE81611 - EPA 3015 Leachate**

**Blank (AE81611-BLK1)** Prepared & Analyzed: 05/16/08

Silver	ND	0.025	mg/L							U
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Arsenic	ND	0.045	"							U
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Barium	0.106	0.025	"							U
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Cadmium	ND	0.025	"							U
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Chromium	ND	0.025	"							U
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Lead	ND	0.075	"							U
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Selenium	ND	0.095	"							U
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**LCS (AE81611-BS1)** Prepared & Analyzed: 05/16/08

Silver	1.08	0.025	mg/L	1.11		97.5	80-120			
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Arsenic	1.13	0.045	"	1.11		101	80-120			
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Barium	1.27	0.025	"	1.11		114	80-120			
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Cadmium	1.14	0.025	"	1.11		102	80-120			
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Chromium	1.08	0.025	"	1.11		96.8	80-120			
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Lead	1.14	0.075	"	1.11		103	80-120			
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Selenium	1.26	0.095	"	1.11		113	80-120			
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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Auron  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**TCLP Metals by 6000/7000 Series Methods - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81611 - EPA 3015 Leachate**

<b>Matrix Spike (AE81611-MS1)</b>		<b>Source: 8E14002-01</b>			<b>Prepared &amp; Analyzed: 05/16/08</b>					
Silver	0.699	0.025	mg/L	1.11	ND	62.9	75-125			L
Arsenic	1.19	0.045	"	1.11	ND	107	75-125			
Barium	1.52	0.025	"	1.11	0.337	106	75-125			
Cadmium	1.16	0.025	"	1.11	ND	105	75-125			
Chromium	1.11	0.025	"	1.11	ND	100	75-125			
Lead	1.12	0.075	"	1.11	ND	101	75-125			
Selenium	1.22	0.095	"	1.11	ND	110	75-125			

<b>Matrix Spike Dup (AE81611-MSD1)</b>		<b>Source: 8E14002-01</b>			<b>Prepared &amp; Analyzed: 05/16/08</b>					
Silver	1.06	0.025	mg/L	1.11	ND	95.3	75-125	41.0	25	#
Arsenic	1.18	0.045	"	1.11	ND	106	75-125	0.732	25	
Barium	1.50	0.025	"	1.11	0.337	105	75-125	0.981	25	
Cadmium	1.15	0.025	"	1.11	ND	103	75-125	1.27	25	
Chromium	1.10	0.025	"	1.11	ND	99.2	75-125	0.935	25	
Lead	1.12	0.075	"	1.11	ND	101	75-125	0.608	25	
Selenium	1.23	0.095	"	1.11	ND	111	75-125	0.858	25	

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81506 - EPA 3550B**

**Blank (AE81506-BLK1)**

Prepared & Analyzed: 05/15/08

Aroclor 1016	ND	49.5	ug/kg wet							U
Aroclor 1221	ND	49.5	"							U
Aroclor 1232	ND	49.5	"							U
Aroclor 1242	ND	49.5	"							U
Aroclor 1248	ND	49.5	"							U
Aroclor 1254	ND	49.5	"							U
Aroclor 1260	ND	49.5	"							U
<i>Surrogate: Tetrachloro-meta-xylene</i>	254		"	250		101	74-133			
<i>Surrogate: Decachlorobiphenyl</i>	261		"	250		105	61-133			

**LCS (AE81506-BS1)**

Prepared & Analyzed: 05/15/08

Aroclor 1016	501	49.5	ug/kg wet	500		100	82-134			
Aroclor 1260	447	49.5	"	500		89.4	74-134			
<i>Surrogate: Tetrachloro-meta-xylene</i>	239		"	250		95.8	74-133			
<i>Surrogate: Decachlorobiphenyl</i>	257		"	250		103	61-133			

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 Project Manager: George Kisluk

Reported:  
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

Blank (AE81501-BLK1)

Prepared & Analyzed: 05/15/08

dichlorodifluoromethane	ND	10	ug/kg wet							U
chloromethane	ND	10	"							U
vinyl chloride	ND	10	"							U
bromomethane	ND	10	"							U
chloroethane	ND	10	"							U
trichlorofluoromethane	ND	10	"							U
1,1-dichloroethene	ND	2	"							U
acetone	ND	10	"							U
carbon disulfide	ND	2	"							U
methylene chloride	2.4	2	"							
Methyl tert-butyl ether	ND	2	"							U
Acrylonitrile	ND	10	"							U
trans-1,2-dichloroethene	ND	2	"							U
1,1-dichloroethane	ND	2	"							U
vinyl acetate	ND	10	"							U
2-butanone	ND	10	"							U
2,2-dichloropropane	ND	2	"							U
cis-1,2-dichloroethene	ND	2	"							U
chloroform	ND	2	"							U
bromochloromethane	ND	2	"							U
1,1,1-trichloroethane	ND	2	"							U
carbon tetrachloride	ND	2	"							U
1,1-dichloropropene	ND	2	"							U
benzene	ND	2	"							U
1,2-dichloroethane	ND	2	"							U
trichloroethene	ND	2	"							U
1,2-dichloropropane	ND	2	"							U
bromodichloromethane	ND	2	"							U
4-Methyl-2-pentanone (MIBK)	ND	10	"							U
cis-1,3-dichloropropene	ND	2	"							U
toluene	ND	2	"							U
trans-1,3-dichloropropene	ND	2	"							U
1,1,2-trichloroethane	ND	2	"							U
2-hexanone	ND	10	"							U
tetrachloroethene	ND	2	"							U
1,3-dichloropropane	ND	2	"							U
dibromochloromethane	ND	2	"							U
1,2-dibromoethane	ND	2	"							U

Waste Stream Technology Inc.

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**Blank (AE81501-BLK1)**

Prepared & Analyzed: 05/15/08

1-chlorohexane	ND	2	ug/kg wet							U
chlorobenzene	ND	2	"							U
1,1,1,2-tetrachloroethane	ND	2	"							U
ethylbenzene	ND	2	"							U
m,p-xylene	ND	4	"							U
o-xylene	ND	2	"							U
styrene	ND	2	"							U
bromoform	ND	2	"							U
isopropylbenzene	ND	2	"							U
1,1,2,2-tetrachloroethane	ND	2	"							U
bromobenzene	ND	2	"							U
1,2,3-trichloropropane	ND	2	"							U
n-propylbenzene	ND	2	"							U
2-chlorotoluene	ND	2	"							U
1,3,5-trimethylbenzene	ND	2	"							U
4-chlorotoluene	ND	2	"							U
tert-butylbenzene	ND	2	"							U
1,2,4-trimethylbenzene	ND	2	"							U
sec-butylbenzene	ND	2	"							U
p-isopropyltoluene	ND	2	"							U
1,3-dichlorobenzene	ND	2	"							U
1,4-dichlorobenzene	ND	2	"							U
n-butylbenzene	ND	2	"							U
1,2-dichlorobenzene	ND	2	"							U
1,2-dibromo-3-chloropropane	ND	10	"							U
1,2,4-trichlorobenzene	ND	2	"							U
hexachlorobutadiene	ND	2	"							U
naphthalene	ND	2	"							U
1,2,3-trichlorobenzene	ND	2	"							U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"							U
<i>Surrogate: Dibromofluoromethane</i>	26.9		ng/ml	30.0		89.5	79-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	28.3		"	30.0		94.3	81-118			
<i>Surrogate: Toluene-d8</i>	28.0		"	30.0		93.2	85-104			
<i>Surrogate: Bromofluorobenzene</i>	26.9		"	30.0		89.5	77-117			

Waste Stream Technology Inc.

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 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**LCS (AE81501-BS1)**

Prepared & Analyzed: 05/15/08

dichlorodifluoromethane	19.0	10	ug/kg wet	20.0		94.8	42-135			
chloromethane	17.3	10	"	20.0		86.6	50-105			
vinyl chloride	19.4	10	"	20.0		97.2	67-119			
bromomethane	21.0	10	"	20.0		105	39-140			
chloroethane	21.6	10	"	20.0		108	64-168			
trichlorofluoromethane	18.3	10	"	20.0		91.4	73-102			
1,1-dichloroethene	20.0	2	"	20.0		99.9	66-122			
acetone	18.5	10	"	20.0		92.6	31-156			
carbon disulfide	18.1	2	"	20.0		90.6	70-125			
methylene chloride	21.4	2	"	20.0		107	12-260			
Methyl tert-butyl ether	18.0	2	"	20.0		90.1	75-105			
Acrylonitrile	20.7	10	"	20.0		103	65-127			
trans-1,2-dichloroethene	19.4	2	"	20.0		97.2	74-113			
1,1-dichloroethane	18.7	2	"	20.0		93.5	77-116			
vinyl acetate	14.5	10	"	20.0		72.7	33-114			
2-butanone	20.0	10	"	20.0		99.9	62-132			
2,2-dichloropropane	19.4	2	"	20.0		96.8	84-111			
cis-1,2-dichloroethene	19.2	2	"	20.0		96.0	69-114			
chloroform	17.7	2	"	20.0		88.6	73-124			
bromochloromethane	21.0	2	"	20.0		105	88-129			
1,1,1-trichloroethane	18.4	2	"	20.0		92.1	68-135			
carbon tetrachloride	18.2	2	"	20.0		91.0	78-119			
1,1-dichloropropene	17.6	2	"	20.0		87.9	77-109			
benzene	19.3	2	"	20.0		96.6	80-117			
1,2-dichloroethane	19.3	2	"	20.0		96.4	75-138			
trichloroethene	19.8	2	"	20.0		99.0	81-119			
1,2-dichloropropane	20.3	2	"	20.0		101	79-118			
bromodichloromethane	20.2	2	"	20.0		101	86-116			
4-Methyl-2-pentanone (MIBK)	19.3	10	"	20.0		96.4	69-127			
cis-1,3-dichloropropene	17.8	2	"	20.0		89.0	77-104			
toluene	20.2	2	"	20.0		101	75-114			
trans-1,3-dichloropropene	17.8	2	"	20.0		88.8	69-114			
1,1,2-trichloroethane	20.7	2	"	20.0		104	82-116			
2-hexanone	18.2	10	"	20.0		90.9	61-127			
tetrachloroethene	20.2	2	"	20.0		101	79-118			
1,3-dichloropropane	20.6	2	"	20.0		103	82-110			
dibromochloromethane	20.5	2	"	20.0		103	82-118			
1,2-dibromoethane	21.7	2	"	20.0		109	87-115			

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 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**LCS (AE81501-BS1)**

Prepared & Analyzed: 05/15/08

1-chlorohexane	18.4	2	ug/kg wet	20.0		91.9	83-103			
chlorobenzene	21.3	2	"	20.0		107	76-118			
1,1,1,2-tetrachloroethane	20.6	2	"	20.0		103	79-116			
ethylbenzene	19.7	2	"	20.0		98.4	80-107			
m,p-xylene	39.9	4	"	40.0		99.8	82-111			
o-xylene	18.5	2	"	20.0		92.5	77-108			
styrene	19.6	2	"	20.0		98.2	80-113			
bromoform	20.3	2	"	20.0		102	67-126			
isopropylbenzene	19.6	2	"	20.0		98.0	90-112			
1,1,2,2-tetrachloroethane	22.8	2	"	20.0		114	76-129			
bromobenzene	19.0	2	"	20.0		94.9	88-109			
1,2,3-trichloropropane	19.0	2	"	20.0		94.8	75-108			
n-propylbenzene	18.5	2	"	20.0		92.7	80-108			
2-chlorotoluene	19.0	2	"	20.0		95.0	82-105			
1,3,5-trimethylbenzene	18.9	2	"	20.0		94.7	82-106			
4-chlorotoluene	18.8	2	"	20.0		93.9	82-104			
tert-butylbenzene	17.4	2	"	20.0		87.1	77-107			
1,2,4-trimethylbenzene	18.1	2	"	20.0		90.5	80-104			
sec-butylbenzene	17.7	2	"	20.0		88.3	78-106			
p-isopropyltoluene	17.4	2	"	20.0		87.2	77-104			
1,3-dichlorobenzene	18.6	2	"	20.0		93.0	85-107			
1,4-dichlorobenzene	19.5	2	"	20.0		97.5	88-109			
n-butylbenzene	18.1	2	"	20.0		90.3	78-107			
1,2-dichlorobenzene	19.4	2	"	20.0		97.0	86-110			
1,2-dibromo-3-chloropropane	19.9	10	"	20.0		99.6	70-113			
1,2,4-trichlorobenzene	17.5	2	"	20.0		87.4	76-119			
hexachlorobutadiene	20.0	2	"	20.0		99.8	83-113			
naphthalene	19.0	2	"	20.0		94.8	74-121			
1,2,3-trichlorobenzene	19.4	2	"	20.0		96.8	83-116			
<i>Surrogate: Dibromofluoromethane</i>	26.5		ng/ml	30.0		88.1	79-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.7		"	30.0		85.5	81-118			
<i>Surrogate: Toluene-d8</i>	28.7		"	30.0		95.6	85-104			
<i>Surrogate: Bromofluorobenzene</i>	25.8		"	30.0		86.1	77-117			

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Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**LCS Dup (AE81501-BSD1)**

Prepared & Analyzed: 05/15/08

dichlorodifluoromethane	18.7	10	ug/kg wet	20.0		93.6	42-135	1.33	20	
chloromethane	17.4	10	"	20.0		87.1	50-105	0.633	20	
vinyl chloride	19.4	10	"	20.0		97.2	67-119	0.0514	20	
bromomethane	19.7	10	"	20.0		98.4	39-140	6.68	20	
chloroethane	20.5	10	"	20.0		103	64-168	4.85	20	
trichlorofluoromethane	19.0	10	"	20.0		94.8	73-102	3.54	20	
1,1-dichloroethene	19.8	2	"	20.0		99.2	66-122	0.703	20	
acetone	18.9	10	"	20.0		94.6	31-156	2.19	20	
carbon disulfide	18.3	2	"	20.0		91.5	70-125	0.988	20	
methylene chloride	22.0	2	"	20.0		110	12-260	3.04	20	
Methyl tert-butyl ether	17.5	2	"	20.0		87.4	75-105	3.04	20	
Acrylonitrile	20.4	10	"	20.0		102	65-127	1.56	20	
trans-1,2-dichloroethene	19.4	2	"	20.0		96.9	74-113	0.361	20	
1,1-dichloroethane	18.9	2	"	20.0		94.4	77-116	0.958	20	
vinyl acetate	13.4	10	"	20.0		66.8	33-114	8.38	20	
2-butanone	19.4	10	"	20.0		97.1	62-132	2.84	20	
2,2-dichloropropane	19.3	2	"	20.0		96.4	84-111	0.414	20	
cis-1,2-dichloroethene	18.3	2	"	20.0		91.4	69-114	4.85	20	
chloroform	18.0	2	"	20.0		90.2	73-124	1.79	20	
bromochloromethane	20.4	2	"	20.0		102	88-129	3.19	20	
1,1,1-trichloroethane	18.5	2	"	20.0		92.6	68-135	0.487	20	
carbon tetrachloride	18.4	2	"	20.0		91.8	78-119	0.930	20	
1,1-dichloropropene	18.8	2	"	20.0		94.2	77-109	6.92	20	
benzene	21.2	2	"	20.0		106	80-117	8.99	20	
1,2-dichloroethane	21.2	2	"	20.0		106	75-138	9.39	20	
trichloroethene	19.5	2	"	20.0		97.5	81-119	1.48	20	
1,2-dichloropropane	19.9	2	"	20.0		99.6	79-118	1.69	20	
bromodichloromethane	20.1	2	"	20.0		100	86-116	0.745	20	
4-Methyl-2-pentanone (MIBK)	18.5	10	"	20.0		92.6	69-127	3.92	20	
cis-1,3-dichloropropene	17.2	2	"	20.0		86.1	77-104	3.37	20	
toluene	20.2	2	"	20.0		101	75-114	0.0992	20	
trans-1,3-dichloropropene	17.9	2	"	20.0		89.6	69-114	0.841	20	
1,1,2-trichloroethane	21.0	2	"	20.0		105	82-116	1.68	20	
2-hexanone	17.9	10	"	20.0		89.5	61-127	1.55	20	
tetrachloroethene	20.2	2	"	20.0		101	79-118	0.198	20	
1,3-dichloropropane	20.3	2	"	20.0		102	82-110	1.32	20	
dibromochloromethane	21.1	2	"	20.0		106	82-118	2.93	20	
1,2-dibromoethane	21.2	2	"	20.0		106	87-115	2.23	20	

Waste Stream Technology Inc.

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81501 - EPA 5030/5035 Soil MS</b>										
<b>LCS Dup (AE81501-BSD1)</b>										
<b>Prepared &amp; Analyzed: 05/15/08</b>										
1-chlorohexane	18.4	2	ug/kg wet	20.0		91.8	83-103	0.0544	20	
chlorobenzene	21.4	2	"	20.0		107	76-118	0.468	20	
1,1,1,2-tetrachloroethane	20.9	2	"	20.0		104	79-116	1.59	20	
ethylbenzene	19.8	2	"	20.0		99.0	80-107	0.658	20	
m,p-xylene	40.3	4	"	40.0		101	82-111	0.898	20	
o-xylene	18.6	2	"	20.0		92.9	77-108	0.431	20	
styrene	19.8	2	"	20.0		99.2	80-113	0.963	20	
bromoform	21.1	2	"	20.0		105	67-126	3.62	20	
isopropylbenzene	19.8	2	"	20.0		99.0	90-112	0.964	20	
1,1,2,2-tetrachloroethane	22.8	2	"	20.0		114	76-129	0.307	20	
bromobenzene	19.2	2	"	20.0		96.2	88-109	1.31	20	
1,2,3-trichloropropane	18.8	2	"	20.0		93.9	75-108	0.954	20	
n-propylbenzene	18.4	2	"	20.0		92.0	80-108	0.812	20	
2-chlorotoluene	18.9	2	"	20.0		94.5	82-105	0.475	20	
1,3,5-trimethylbenzene	18.6	2	"	20.0		93.1	82-106	1.70	20	
4-chlorotoluene	19.1	2	"	20.0		95.6	82-104	1.74	20	
tert-butylbenzene	17.3	2	"	20.0		86.5	77-107	0.691	20	
1,2,4-trimethylbenzene	17.9	2	"	20.0		89.7	80-104	0.888	20	
sec-butylbenzene	17.6	2	"	20.0		87.8	78-106	0.511	20	
p-isopropyltoluene	17.4	2	"	20.0		87.1	77-104	0.115	20	
1,3-dichlorobenzene	18.4	2	"	20.0		92.0	85-107	1.03	20	
1,4-dichlorobenzene	19.1	2	"	20.0		95.4	88-109	2.18	20	
n-butylbenzene	17.9	2	"	20.0		89.4	78-107	1.00	20	
1,2-dichlorobenzene	19.1	2	"	20.0		95.6	86-110	1.45	20	
1,2-dibromo-3-chloropropane	18.9	10	"	20.0		94.4	70-113	5.41	20	
1,2,4-trichlorobenzene	16.8	2	"	20.0		84.0	76-119	3.91	20	
hexachlorobutadiene	19.8	2	"	20.0		99.0	83-113	0.805	20	
naphthalene	17.9	2	"	20.0		89.3	74-121	6.03	20	
1,2,3-trichlorobenzene	18.5	2	"	20.0		92.6	83-116	4.49	20	
<i>Surrogate: Dibromofluoromethane</i>	27.0		ng/ml	30.0		90.1	79-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	28.5		"	30.0		94.8	81-118			
<i>Surrogate: Toluene-d8</i>	29.0		"	30.0		96.4	85-104			
<i>Surrogate: Bromofluorobenzene</i>	26.3		"	30.0		87.5	77-117			

URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Blank (AE81618-BLK1)**

Prepared: 05/16/08 Analyzed: 05/19/08

N-Nitrosodimethylamine	ND	67	ug/kg wet							U
bis(2-chloroethyl)ether	ND	67	"							U
Aniline	ND	67	"							U
phenol	ND	130	"							U
2-chlorophenol	ND	130	"							U
1,3-dichlorobenzene	ND	67	"							U
1,4-dichlorobenzene	ND	67	"							U
1,2-dichlorobenzene	ND	67	"							U
benzyl alcohol	ND	67	"							U
bis(2-chloroisopropyl)ether	ND	67	"							U
2-methylphenol	ND	67	"							U
hexachloroethane	ND	67	"							U
N-Nitrosodi-n-propylamine	ND	67	"							U
3 & 4-methylphenol	ND	130	"							U
nitrobenzene	ND	67	"							U
isophorone	ND	67	"							U
2-nitrophenol	ND	130	"							U
2,4-dimethylphenol	ND	130	"							U
Bis(2-chloroethoxy)methane	ND	67	"							U
benzoic acid	ND	330	"							U
2,4-dichlorophenol	ND	130	"							U
1,2,4-trichlorobenzene	ND	67	"							U
naphthalene	ND	67	"							U
4-chloroaniline	ND	67	"							U
hexachlorobutadiene	ND	67	"							U
4-chloro-3-methylphenol	ND	130	"							U
2-methylnaphthalene	ND	67	"							U
hexachlorocyclopentadiene	ND	130	"							U
2,4,6-trichlorophenol	ND	130	"							U
2,4,5-trichlorophenol	ND	67	"							U
2-chloronaphthalene	ND	67	"							U
2-nitroaniline	ND	67	"							U
acenaphthylene	ND	67	"							U
Dimethyl phthalate	ND	67	"							U
2,6-dinitrotoluene	ND	67	"							U
acenaphthene	ND	67	"							U
3-nitroaniline	ND	67	"							U
2,4-dinitrophenol	ND	130	"							U

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Blank (AE81618-BLK1)**

Prepared: 05/16/08 Analyzed: 05/19/08

dibenzofuran	ND	67	ug/kg wet							U
2,4-dinitrotoluene	ND	67	"							U
4-nitrophenol	ND	130	"							U
fluorene	ND	67	"							U
4-Chlorophenyl phenyl ether	ND	67	"							U
Diethyl phthalate	ND	67	"							U
4-nitroaniline	ND	67	"							U
4,6-Dinitro-2-methylphenol	ND	130	"							U
n-nitrosodiphenylamine	ND	67	"							U
4-bromophenylphenylether	ND	67	"							U
hexachlorobenzene	ND	67	"							U
pentachlorophenol	ND	130	"							U
phenanthrene	ND	67	"							U
anthracene	ND	67	"							U
carbazole	ND	67	"							U
Di-n-butyl phthalate	ND	67	"							U
benzidine	ND	330	"							U
fluoranthene	ND	67	"							U
3,3'-Dichlorobenzidine	ND	67	"							U
pyrene	ND	67	"							U
Butyl benzyl phthalate	ND	67	"							U
Benzo (a) anthracene	ND	67	"							U
chrysene	ND	67	"							U
bis(2-ethylhexyl)phthalate	ND	67	"							U
Di-n-octyl phthalate	ND	67	"							U
Benzo (b) fluoranthene	ND	67	"							U
Benzo (k) fluoranthene	ND	67	"							U
Benzo (a) pyrene	ND	67	"							U
Indeno (1,2,3-cd) pyrene	ND	67	"							U
Dibenz (a,h) anthracene	ND	67	"							U
Benzo (g,h,i) perylene	ND	67	"							U
<i>Surrogate: 2-Fluorophenol</i>	3460		"	6670		51.9	43-104			
<i>Surrogate: Phenol-d6</i>	4540		"	6670		68.1	52-109			
<i>Surrogate: Nitrobenzene-d5</i>	1440		"	3330		43.3	52-111			L
<i>Surrogate: 2-Fluorobiphenyl</i>	1570		"	3330		47.2	60-111			L
<i>Surrogate: 2,4,6-Tribromophenol</i>	4960		"	6670		74.3	46-130			
<i>Surrogate: Terphenyl-d14</i>	2770		"	3330		83.0	36-139			

Waste Stream Technology Inc.

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS1)**

Prepared: 05/16/08 Analyzed: 05/19/08

N-Nitrosodimethylamine	1300	67	ug/kg wet	1670		78.0	37-120			
bis(2-chloroethyl)ether	1240	67	"	1670		74.4	42-116			
Aniline	985	67	"	1670		59.1	50-130			
phenol	1330	130	"	1670		80.0	38-131			
2-chlorophenol	1320	130	"	1670		79.4	53-114			
1,3-dichlorobenzene	1240	67	"	1670		74.3	46-106			
1,4-dichlorobenzene	1250	67	"	1670		74.9	49-106			
1,2-dichlorobenzene	1270	67	"	1670		76.2	48-109			
benzyl alcohol	1380	67	"	1670		82.6	48-109			
bis(2-chloroisopropyl)ether	1290	67	"	1670		77.3	44-124			
2-methylphenol	1470	67	"	1670		88.0	54-116			
hexachloroethane	1280	67	"	1670		76.6	42-117			
N-Nitrosodi-n-propylamine	1480	67	"	1670		89.1	44-124			
3 & 4-methylphenol	1500	130	"	1670		89.9	49-118			
nitrobenzene	1370	67	"	1670		82.0	47-115			
isophorone	1590	67	"	1670		95.2	57-116			
2-nitrophenol	1430	130	"	1670		85.6	53-109			
2,4-dimethylphenol	1660	130	"	1670		99.7	52-127			
Bis(2-chloroethoxy)methane	1550	67	"	1670		93.1	54-120			
benzoic acid	1410	330	"	1670		84.4	23-130			
2,4-dichlorophenol	1690	130	"	1670		101	52-116			
1,2,4-trichlorobenzene	1440	67	"	1670		86.5	50-107			
naphthalene	1450	67	"	1670		87.0	55-114			
4-chloroaniline	1090	67	"	1670		65.2	32-110			
hexachlorobutadiene	1580	67	"	1670		94.9	51-119			
4-chloro-3-methylphenol	1790	130	"	1670		108	57-125			
2-methylnaphthalene	1670	67	"	1670		100	54-115			
hexachlorocyclopentadiene	950	130	"	1670		57.0	42-135			
2,4,6-trichlorophenol	1680	130	"	1670		101	54-122			
2,4,5-trichlorophenol	1760	67	"	1670		105	56-119			
2-chloronaphthalene	1600	67	"	1670		95.9	56-114			
2-nitroaniline	1610	67	"	1670		96.5	56-125			
acenaphthylene	1710	67	"	1670		103	60-122			
Dimethyl phthalate	1690	67	"	1670		102	58-113			
2,6-dinitrotoluene	1810	67	"	1670		109	60-122			
acenaphthene	1710	67	"	1670		102	60-117			
3-nitroaniline	1220	67	"	1670		73.3	43-103			
2,4-dinitrophenol	1420	130	"	1670		85.3	47-137			

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Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS1)**

Prepared: 05/16/08 Analyzed: 05/19/08

dibenzofuran	1730	67	ug/kg wet	1670		104	66-112			
2,4-dinitrotoluene	1780	67	"	1670		107	63-116			
4-nitrophenol	1380	130	"	1670		82.6	23-134			
fluorene	1810	67	"	1670		108	67-118			
4-Chlorophenyl phenyl ether	1700	67	"	1670		102	55-116			
Diethyl phthalate	1680	67	"	1670		101	56-125			
4-nitroaniline	1430	67	"	1670		85.9	48-111			
4,6-Dinitro-2-methylphenol	1590	130	"	1670		95.1	70-138			
n-nitrosodiphenylamine	1620	67	"	1670		97.1	56-121			
4-bromophenylphenylether	1490	67	"	1670		89.5	50-106			
hexachlorobenzene	1660	67	"	1670		99.4	56-119			
pentachlorophenol	1490	130	"	1670		89.5	59-148			
phenanthrene	1790	67	"	1670		107	68-115			
anthracene	1780	67	"	1670		107	64-118			
carbazole	1650	67	"	1670		99.0	55-117			
Di-n-butyl phthalate	1660	67	"	1670		99.9	57-124			
benzidine	ND	330	"	1670			0-78			U
fluoranthene	1830	67	"	1670		110	63-117			
3,3'-Dichlorobenzidine	1140	67	"	1670		68.6	38-102			
pyrene	1720	67	"	1670		103	58-117			
Butyl benzyl phthalate	1650	67	"	1670		98.8	56-128			
Benzo (a) anthracene	1880	67	"	1670		113	63-113			
chrysene	1860	67	"	1670		112	64-116			
bis(2-ethylhexyl)phthalate	1740	67	"	1670		105	55-136			
Di-n-octyl phthalate	1710	67	"	1670		102	48-131			
Benzo (b) fluoranthene	1820	67	"	1670		109	54-113			
Benzo (k) fluoranthene	1790	67	"	1670		108	61-120			
Benzo (a) pyrene	1810	67	"	1670		109	59-114			
Indeno (1,2,3-cd) pyrene	2100	67	"	1670		126	61-133			
Dibenz (a,h) anthracene	1980	67	"	1670		119	61-131			
Benzo (g,h,i) perylene	1850	67	"	1670		111	53-135			
<i>Surrogate: 2-Fluorophenol</i>	5030		"	6670		75.5	43-104			
<i>Surrogate: Phenol-d6</i>	5630		"	6670		84.4	52-109			
<i>Surrogate: Nitrobenzene-d5</i>	2350		"	3330		70.6	52-111			
<i>Surrogate: 2-Fluorobiphenyl</i>	2740		"	3330		82.3	60-111			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5660		"	6670		85.0	46-130			
<i>Surrogate: Terphenyl-d14</i>	2910		"	3330		87.2	36-139			

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77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS2)**

Prepared: 05/16/08 Analyzed: 05/19/08

N-Nitrosodimethylamine	1530	67	ug/kg wet	1670		92.0	37-120			
bis(2-chloroethyl)ether	1430	67	"	1670		85.6	42-116			
Aniline	1320	67	"	1670		79.3	50-130			
phenol	1450	130	"	1670		87.3	38-131			
2-chlorophenol	1490	130	"	1670		89.3	53-114			
1,3-dichlorobenzene	1460	67	"	1670		87.3	46-106			
1,4-dichlorobenzene	1460	67	"	1670		87.4	49-106			
1,2-dichlorobenzene	1470	67	"	1670		88.1	48-109			
benzyl alcohol	1470	67	"	1670		88.0	48-109			
bis(2-chloroisopropyl)ether	1470	67	"	1670		87.9	44-124			
2-methylphenol	1570	67	"	1670		94.0	54-116			
hexachloroethane	1470	67	"	1670		88.3	42-117			
N-Nitrosodi-n-propylamine	1540	67	"	1670		92.2	44-124			
3 & 4-methylphenol	1550	130	"	1670		92.8	49-118			
nitrobenzene	1520	67	"	1670		90.9	47-115			
isophorone	1580	67	"	1670		95.1	57-116			
2-nitrophenol	1570	130	"	1670		94.1	53-109			
2,4-dimethylphenol	1730	130	"	1670		104	52-127			
Bis(2-chloroethoxy)methane	1640	67	"	1670		98.7	54-120			
benzoic acid	1360	330	"	1670		81.3	23-130			
2,4-dichlorophenol	1710	130	"	1670		103	52-116			
1,2,4-trichlorobenzene	1610	67	"	1670		96.7	50-107			
naphthalene	1600	67	"	1670		95.7	55-114			
4-chloroaniline	1410	67	"	1670		84.4	32-110			
hexachlorobutadiene	1820	67	"	1670		109	51-119			
4-chloro-3-methylphenol	1720	130	"	1670		103	57-125			
2-methylnaphthalene	1730	67	"	1670		104	54-115			
hexachlorocyclopentadiene	1000	130	"	1670		60.0	42-135			
2,4,6-trichlorophenol	1600	130	"	1670		95.7	54-122			
2,4,5-trichlorophenol	1660	67	"	1670		99.4	56-119			
2-chloronaphthalene	1600	67	"	1670		95.7	56-114			
2-nitroaniline	1550	67	"	1670		93.2	56-125			
acenaphthylene	1670	67	"	1670		100	60-122			
Dimethyl phthalate	1600	67	"	1670		95.9	58-113			
2,6-dinitrotoluene	1690	67	"	1670		101	60-122			
acenaphthene	1620	67	"	1670		97.3	60-117			
3-nitroaniline	1320	67	"	1670		79.3	43-103			
2,4-dinitrophenol	1400	130	"	1670		83.7	47-137			

Waste Stream Technology Inc.

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77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS2)**

Prepared: 05/16/08 Analyzed: 05/19/08

dibenzofuran	1630	67	ug/kg wet	1670		97.7	66-112			
2,4-dinitrotoluene	1680	67	"	1670		101	63-116			
4-nitrophenol	1310	130	"	1670		78.6	23-134			
fluorene	1680	67	"	1670		101	67-118			
4-Chlorophenyl phenyl ether	1610	67	"	1670		96.6	55-116			
Diethyl phthalate	1570	67	"	1670		94.3	56-125			
4-nitroaniline	1510	67	"	1670		90.5	48-111			
4,6-Dinitro-2-methylphenol	1590	130	"	1670		95.5	70-138			
n-nitrosodiphenylamine	1550	67	"	1670		92.8	56-121			
4-bromophenylphenylether	1430	67	"	1670		85.6	50-106			
hexachlorobenzene	1570	67	"	1670		93.9	56-119			
pentachlorophenol	1440	130	"	1670		86.5	59-148			
phenanthrene	1690	67	"	1670		101	68-115			
anthracene	1710	67	"	1670		102	64-118			
carbazole	1570	67	"	1670		94.0	55-117			
Di-n-butyl phthalate	1570	67	"	1670		94.5	57-124			
benzidine	62.3	330	"	1670		3.74	0-78			
fluoranthene	1720	67	"	1670		103	63-117			
3,3'-Dichlorobenzidine	1420	67	"	1670		85.1	38-102			
pyrene	1600	67	"	1670		96.3	58-117			
Butyl benzyl phthalate	1530	67	"	1670		91.8	56-128			
Benzo (a) anthracene	1760	67	"	1670		105	63-113			
chrysene	1730	67	"	1670		104	64-116			
bis(2-ethylhexyl)phthalate	1600	67	"	1670		95.7	55-136			
Di-n-octyl phthalate	1570	67	"	1670		94.2	48-131			
Benzo (b) fluoranthene	1660	67	"	1670		99.4	54-113			
Benzo (k) fluoranthene	1650	67	"	1670		98.8	61-120			
Benzo (a) pyrene	1700	67	"	1670		102	59-114			
Indeno (1,2,3-cd) pyrene	1910	67	"	1670		115	61-133			
Dibenz (a,h) anthracene	1800	67	"	1670		108	61-131			
Benzo (g,h,i) perylene	1610	67	"	1670		96.4	53-135			
<i>Surrogate: 2-Fluorophenol</i>	<i>3490</i>		"	<i>6670</i>		<i>52.4</i>	<i>43-104</i>			
<i>Surrogate: Phenol-d6</i>	<i>5350</i>		"	<i>6670</i>		<i>80.2</i>	<i>52-109</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2380</i>		"	<i>3330</i>		<i>71.4</i>	<i>52-111</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>2700</i>		"	<i>3330</i>		<i>80.9</i>	<i>60-111</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>5600</i>		"	<i>6670</i>		<i>83.9</i>	<i>46-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>2780</i>		"	<i>3330</i>		<i>83.3</i>	<i>36-139</i>			

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Project: DOT Projects  
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Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Matrix Spike (AE81618-MS1)** Source: 8E15010-04 Prepared: 05/16/08 Analyzed: 05/20/08

N-Nitrosodimethylamine	4950	199	ug/kg dry	6000	0.0	82.5	30-112			
bis(2-chloroethyl)ether	4780	199	"	6000	0.0	79.7	44-120			
Aniline	4130	199	"	6000	0.0	68.8	40-140			
phenol	5030	387	"	6000	0.0	83.8	35-126			
2-chlorophenol	5180	387	"	6000	0.0	86.3	48-115			
1,3-dichlorobenzene	4790	199	"	6000	0.0	79.9	49-109			
1,4-dichlorobenzene	4850	199	"	6000	0.0	80.8	47-112			
1,2-dichlorobenzene	4910	199	"	6000	0.0	81.8	50-110			
benzyl alcohol	4850	199	"	6000	0.0	80.8	50-109			
bis(2-chloroisopropyl)ether	4870	199	"	6000	0.0	81.1	53-120			
2-methylphenol	5380	199	"	6000	0.0	89.7	52-121			
hexachloroethane	4870	199	"	6000	0.0	81.2	46-106			
N-Nitrosodi-n-propylamine	5200	199	"	6000	0.0	86.6	57-113			
3 & 4-methylphenol	5280	387	"	6000	0.0	88.0	62-142			
nitrobenzene	5180	199	"	6000	0.0	86.3	41-118			
isophorone	5390	199	"	6000	0.0	89.8	57-118			
2-nitrophenol	5400	387	"	6000	0.0	90.0	53-114			
2,4-dimethylphenol	5660	387	"	6000	0.0	94.3	41-136			
Bis(2-chloroethoxy)methane	5630	199	"	6000	0.0	93.8	53-122			
benzoic acid	4670	982	"	6000	0.0	77.8	10-138			
2,4-dichlorophenol	6000	387	"	6000	0.0	100	49-123			
1,2,4-trichlorobenzene	5590	199	"	6000	0.0	93.1	43-120			
naphthalene	5530	199	"	6000	0.0	92.1	49-119			
4-chloroaniline	3190	199	"	6000	0.0	53.2	49-123			
hexachlorobutadiene	6140	199	"	6000	0.0	102	38-138			
4-chloro-3-methylphenol	5850	387	"	6000	0.0	97.5	63-118			
2-methylnaphthalene	5430	199	"	6000	0.0	90.4	37-131			
hexachlorocyclopentadiene	3950	387	"	6000	0.0	65.7	10-141			
2,4,6-trichlorophenol	5670	387	"	6000	0.0	94.5	55-124			
2,4,5-trichlorophenol	5640	199	"	6000	0.0	94.0	49-127			
2-chloronaphthalene	5490	199	"	6000	0.0	91.5	55-121			
2-nitroaniline	5070	199	"	6000	0.0	84.5	69-120			
acenaphthylene	5750	199	"	6000	0.0	95.8	68-124			
Dimethyl phthalate	5500	199	"	6000	0.0	91.7	60-126			
2,6-dinitrotoluene	5880	199	"	6000	0.0	98.0	66-126			
acenaphthene	5660	199	"	6000	0.0	94.3	60-127			
3-nitroaniline	3900	199	"	6000	0.0	64.9	67-125			QM-01
2,4-dinitrophenol	5700	387	"	6000	0.0	95.0	10-174			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Matrix Spike (AE81618-MS1)** Source: 8E15010-04 Prepared: 05/16/08 Analyzed: 05/20/08

dibenzofuran	5720	199	ug/kg dry	6000	0.0	95.4	62-124			
2,4-dinitrotoluene	5760	199	"	6000	0.0	95.9	67-126			
4-nitrophenol	4230	387	"	6000	0.0	70.6	25-132			
fluorene	5920	199	"	6000	0.0	98.7	64-121			
4-Chlorophenyl phenyl ether	5670	199	"	6000	0.0	94.5	58-125			
Diethyl phthalate	5430	199	"	6000	0.0	90.4	56-130			
4-nitroaniline	5080	199	"	6000	0.0	84.7	62-128			
4,6-Dinitro-2-methylphenol	6020	387	"	6000	0.0	100	10-196			
n-nitrosodiphenylamine	5270	199	"	6000	0.0	87.7	49-146			
4-bromophenylphenylether	4890	199	"	6000	0.0	81.4	53-118			
hexachlorobenzene	5370	199	"	6000	0.0	89.5	59-129			
pentachlorophenol	4930	387	"	6000	0.0	82.1	12-144			
phenanthrene	5810	199	"	6000	0.0	96.9	56-136			
anthracene	5740	199	"	6000	0.0	95.6	67-127			
carbazole	5540	199	"	6000	0.0	92.3	68-122			
Di-n-butyl phthalate	5340	199	"	6000	0.0	89.0	66-129			
benzidine	445	982	"	6000	0.0	7.42	5-47			
fluoranthene	5930	199	"	6000	0.0	98.8	65-124			
3,3'-Dichlorobenzidine	4140	199	"	6000	0.0	69.0	27-128			
pyrene	5650	199	"	6000	0.0	94.1	64-140			
Butyl benzyl phthalate	5350	199	"	6000	0.0	89.1	65-141			
Benzo (a) anthracene	6100	199	"	6000	0.0	102	68-120			
chrysene	6070	199	"	6000	0.0	101	59-136			
bis(2-ethylhexyl)phthalate	5780	199	"	6000	534	87.5	64-138			
Di-n-octyl phthalate	5560	199	"	6000	0.0	92.6	49-170			
Benzo (b) fluoranthene	5570	199	"	6000	0.0	92.8	59-134			
Benzo (k) fluoranthene	6120	199	"	6000	0.0	102	59-130			
Benzo (a) pyrene	5910	199	"	6000	0.0	98.4	69-121			
Indeno (1,2,3-cd) pyrene	7160	199	"	6000	0.0	119	36-138			
Dibenz (a,h) anthracene	6740	199	"	6000	0.0	112	46-134			
Benzo (g,h,i) perylene	6330	199	"	6000	0.0	106	28-142			
<i>Surrogate: 2-Fluorophenol</i>	<i>19600</i>		<i>"</i>	<i>24000</i>		<i>81.5</i>	<i>43-104</i>			
<i>Surrogate: Phenol-d6</i>	<i>20800</i>		<i>"</i>	<i>24000</i>		<i>86.6</i>	<i>52-109</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>8710</i>		<i>"</i>	<i>12000</i>		<i>72.6</i>	<i>52-111</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>9140</i>		<i>"</i>	<i>12000</i>		<i>76.1</i>	<i>60-111</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>18300</i>		<i>"</i>	<i>24000</i>		<i>76.4</i>	<i>46-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>9250</i>		<i>"</i>	<i>12000</i>		<i>77.0</i>	<i>36-139</i>			

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81618 - EPA 3550B</b>										
<b>Matrix Spike Dup (AE81618-MSD1)</b>	<b>Source: 8E15010-04</b>			<b>Prepared: 05/16/08</b>		<b>Analyzed: 05/20/08</b>				
N-Nitrosodimethylamine	5180	196	ug/kg dry	5900	0.0	87.9	30-112	4.52	35	
bis(2-chloroethyl)ether	4940	196	"	5900	0.0	83.7	44-120	3.15	35	
Aniline	4040	196	"	5900	0.0	68.6	40-140	2.09	35	
phenol	4910	380	"	5900	0.0	83.3	35-126	2.34	35	
2-chlorophenol	5230	380	"	5900	0.0	88.8	48-115	1.02	35	
1,3-dichlorobenzene	4960	196	"	5900	0.0	84.1	49-109	3.38	35	
1,4-dichlorobenzene	5020	196	"	5900	0.0	85.2	47-112	3.53	35	
1,2-dichlorobenzene	5140	196	"	5900	0.0	87.1	50-110	4.55	35	
benzyl alcohol	4980	196	"	5900	0.0	84.5	50-109	2.71	35	
bis(2-chloroisopropyl)ether	5040	196	"	5900	0.0	85.4	53-120	3.39	35	
2-methylphenol	5380	196	"	5900	0.0	91.3	52-121	0.00158	35	
hexachloroethane	5080	196	"	5900	0.0	86.2	46-106	4.23	35	
N-Nitrosodi-n-propylamine	5230	196	"	5900	0.0	88.7	57-113	0.626	35	
3 & 4-methylphenol	5220	380	"	5900	0.0	88.6	62-142	1.16	35	
nitrobenzene	5330	196	"	5900	0.0	90.4	41-118	2.78	35	
isophorone	5380	196	"	5900	0.0	91.2	57-118	0.224	35	
2-nitrophenol	5490	380	"	5900	0.0	93.1	53-114	1.62	35	
2,4-dimethylphenol	5600	380	"	5900	0.0	95.0	41-136	0.967	35	
Bis(2-chloroethoxy)methane	5670	196	"	5900	0.0	96.2	53-122	0.735	35	
benzoic acid	4630	965	"	5900	0.0	78.4	10-138	0.899	35	
2,4-dichlorophenol	5980	380	"	5900	0.0	101	49-123	0.361	35	
1,2,4-trichlorobenzene	5700	196	"	5900	0.0	96.7	43-120	1.94	35	
naphthalene	5600	196	"	5900	0.0	95.0	49-119	1.35	35	
4-chloroaniline	3350	196	"	5900	0.0	56.8	49-123	4.78	35	
hexachlorobutadiene	6430	196	"	5900	0.0	109	38-138	4.59	35	
4-chloro-3-methylphenol	5970	380	"	5900	0.0	101	63-118	1.99	35	
2-methylnaphthalene	5470	196	"	5900	0.0	92.7	37-131	0.742	35	
hexachlorocyclopentadiene	3790	380	"	5900	0.0	64.3	10-141	3.92	35	
2,4,6-trichlorophenol	5620	380	"	5900	0.0	95.3	55-124	0.969	35	
2,4,5-trichlorophenol	5470	196	"	5900	0.0	92.8	49-127	3.05	35	
2-chloronaphthalene	5420	196	"	5900	0.0	91.9	55-121	1.33	35	
2-nitroaniline	5190	196	"	5900	0.0	88.1	69-120	2.40	35	
acenaphthylene	5710	196	"	5900	0.0	96.9	68-124	0.670	35	
Dimethyl phthalate	5500	196	"	5900	0.0	93.3	60-126	0.00307	35	
2,6-dinitrotoluene	5860	196	"	5900	0.0	99.3	66-126	0.412	35	
acenaphthene	5570	196	"	5900	0.0	94.5	60-127	1.60	35	
3-nitroaniline	3800	196	"	5900	0.0	64.4	67-125	2.51	35	QM-01
2,4-dinitrophenol	5520	380	"	5900	0.0	93.6	10-174	3.28	35	

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Matrix Spike Dup (AE81618-MSD1)**

Source: 8E15010-04

Prepared: 05/16/08

Analyzed: 05/20/08

dibenzofuran	5650	196	ug/kg dry	5900	0.0	95.9	62-124	1.23	35	
2,4-dinitrotoluene	5790	196	"	5900	0.0	98.2	67-126	0.538	35	
4-nitrophenol	4390	380	"	5900	0.0	74.5	25-132	3.64	35	
fluorene	5850	196	"	5900	0.0	99.2	64-121	1.22	35	
4-Chlorophenyl phenyl ether	5580	196	"	5900	0.0	94.7	58-125	1.60	35	
Diethyl phthalate	5380	196	"	5900	0.0	91.2	56-130	0.889	35	
4-nitroaniline	5060	196	"	5900	0.0	85.9	62-128	0.410	35	
4,6-Dinitro-2-methylphenol	5880	380	"	5900	0.0	99.7	10-196	2.41	35	
n-nitrosodiphenylamine	5220	196	"	5900	0.0	88.6	49-146	0.840	35	
4-bromophenylphenylether	4860	196	"	5900	0.0	82.3	53-118	0.622	35	
hexachlorobenzene	5350	196	"	5900	0.0	90.7	59-129	0.394	35	
pentachlorophenol	4700	380	"	5900	0.0	79.7	12-144	4.71	35	
phenanthrene	5800	196	"	5900	0.0	98.4	56-136	0.193	35	
anthracene	5690	196	"	5900	0.0	96.5	67-127	0.791	35	
carbazole	5460	196	"	5900	0.0	92.6	68-122	1.49	35	
Di-n-butyl phthalate	5310	196	"	5900	0.0	90.0	66-129	0.585	35	
benzidine	310	965	"	5900	0.0	5.26	5-47	35.8	35	#
fluoranthene	5900	196	"	5900	0.0	100	65-124	0.443	35	
3,3'-Dichlorobenzidine	4210	196	"	5900	0.0	71.4	27-128	1.65	35	
pyrene	5540	196	"	5900	0.0	94.0	64-140	1.83	35	
Butyl benzyl phthalate	5250	196	"	5900	0.0	89.0	65-141	1.86	35	
Benzo (a) anthracene	6030	196	"	5900	0.0	102	68-120	1.10	35	
chrysene	5960	196	"	5900	0.0	101	59-136	1.75	35	
bis(2-ethylhexyl)phthalate	5570	196	"	5900	534	85.5	64-138	3.68	35	
Di-n-octyl phthalate	5490	196	"	5900	0.0	93.1	49-170	1.21	35	
Benzo (b) fluoranthene	5850	196	"	5900	0.0	99.2	59-134	4.90	35	
Benzo (k) fluoranthene	5720	196	"	5900	0.0	97.0	59-130	6.70	35	
Benzo (a) pyrene	5900	196	"	5900	0.0	100	69-121	0.0777	35	
Indeno (1,2,3-cd) pyrene	7000	196	"	5900	0.0	119	36-138	2.24	35	
Dibenz (a,h) anthracene	6600	196	"	5900	0.0	112	46-134	2.11	35	
Benzo (g,h,i) perylene	6140	196	"	5900	0.0	104	28-142	3.11	35	
Surrogate: 2-Fluorophenol	20200		"	23600		85.5	43-104			
Surrogate: Phenol-d6	21500		"	23600		91.3	52-109			
Surrogate: Nitrobenzene-d5	9150		"	11800		77.6	52-111			
Surrogate: 2-Fluorobiphenyl	9290		"	11800		78.7	60-111			
Surrogate: 2,4,6-Tribromophenol	18400		"	23600		77.9	46-130			
Surrogate: Terphenyl-d14	9280		"	11800		78.7	36-139			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE82014 - EPA 5030 TCLP MS**

**Blank (AE82014-BLK1)**

Prepared & Analyzed: 05/20/08

vinyl chloride	ND	10	ug/l							U
1,1-dichloroethene	ND	10	"							U
2-butanone	ND	100	"							U
chloroform	ND	10	"							U
carbon tetrachloride	ND	10	"							U
benzene	ND	10	"							U
1,2-dichloroethane	ND	10	"							U
trichloroethene	ND	10	"							U
tetrachloroethene	ND	10	"							U
chlorobenzene	ND	10	"							U
1,4-dichlorobenzene	ND	10	"							U

<i>Surrogate: Dibromofluoromethane</i>	28.7		ng/ml	30.0		95.6	76-106			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	30.9		"	30.0		103	87-117			
<i>Surrogate: Toluene-d8</i>	27.4		"	30.0		91.2	85-106			
<i>Surrogate: Bromofluorobenzene</i>	29.8		"	30.0		99.4	87-118			

**LCS (AE82014-BS1)**

Prepared & Analyzed: 05/20/08

vinyl chloride	171	10	ug/l	200		85.6	65-115			
1,1-dichloroethene	203	10	"	200		102	69-109			
2-butanone	210	100	"	200		105	53-110			
chloroform	202	10	"	200		101	87-113			
carbon tetrachloride	204	10	"	200		102	71-121			
benzene	196	10	"	200		98.2	87-110			
1,2-dichloroethane	213	10	"	200		106	91-123			
trichloroethene	200	10	"	200		100	85-112			
tetrachloroethene	195	10	"	200		97.3	85-119			
chlorobenzene	192	10	"	200		96.2	88-110			
1,4-dichlorobenzene	198	10	"	200		98.8	87-110			

<i>Surrogate: Dibromofluoromethane</i>	29.4		ng/ml	30.0		98.2	76-106			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	30.8		"	30.0		103	87-117			
<i>Surrogate: Toluene-d8</i>	27.7		"	30.0		92.2	85-106			
<i>Surrogate: Bromofluorobenzene</i>	29.2		"	30.0		97.3	87-118			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE82014 - EPA 5030 TCLP MS**

Matrix Spike (AE82014-MS1)	Source: 8E14002-01			Prepared & Analyzed: 05/20/08						
vinyl chloride	180	10	ug/l	200	0.0	90.2	54-125			
1,1-dichloroethene	196	10	"	200	0.0	97.8	70-123			
2-butanone	226	100	"	200	0.0	113	59-177			
chloroform	205	10	"	200	0.0	103	71-124			
carbon tetrachloride	209	10	"	200	0.0	105	67-114			
benzene	204	10	"	200	0.0	102	81-114			
1,2-dichloroethane	226	10	"	200	0.0	113	74-123			
trichloroethene	206	10	"	200	0.0	103	73-119			
tetrachloroethene	204	10	"	200	0.0	102	72-116			
chlorobenzene	189	10	"	200	0.0	94.5	81-113			
1,4-dichlorobenzene	197	10	"	200	0.0	98.6	77-115			
Surrogate: Dibromofluoromethane	29.6		ng/ml	30.0		98.5	76-106			
Surrogate: 1,2-Dichloroethane-d4	32.1		"	30.0		107	87-117			
Surrogate: Toluene-d8	27.1		"	30.0		90.2	85-106			
Surrogate: Bromofluorobenzene	28.1		"	30.0		93.6	87-118			

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Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81607 - EPA 3510C Leachate**

**Blank (AE81607-BLK1)**

Prepared: 05/16/08 Analyzed: 05/19/08

pyridine	ND	8	ug/l							U
1,4-dichlorobenzene	ND	8	"							U
Total cresols(o,m & p)	ND	24	"							U
hexachloroethane	ND	8	"							U
nitrobenzene	ND	8	"							U
hexachlorobutadiene	ND	8	"							U
2,4,6-trichlorophenol	ND	16	"							U
2,4,5-trichlorophenol	ND	8	"							U
2,4-dinitrotoluene	ND	8	"							U
hexachlorobenzene	ND	8	"							U
pentachlorophenol	ND	16	"							U
<i>Surrogate: 2-Fluorophenol</i>	290		"	800		36.2	14-66			
<i>Surrogate: Phenol-d6</i>	231		"	800		28.9	7-43			
<i>Surrogate: Nitrobenzene-d5</i>	272		"	400		68.1	46-103			
<i>Surrogate: 2-Fluorobiphenyl</i>	278		"	400		69.6	50-105			
<i>Surrogate: 2,4,6-Tribromophenol</i>	535		"	800		66.9	44-120			
<i>Surrogate: Terphenyl-d14</i>	277		"	400		69.3	57-107			

**LCS (AE81607-BS1)**

Prepared: 05/16/08 Analyzed: 05/19/08

pyridine	44.4	8	ug/l	200		22.2	5-62			
1,4-dichlorobenzene	123	8	"	200		61.5	46-111			
Total cresols(o,m & p)	191	24	"	400		47.8	39-88			
hexachloroethane	136	8	"	200		68.0	40-113			
nitrobenzene	125	8	"	200		62.5	43-119			
hexachlorobutadiene	138	8	"	200		69.1	49-123			
2,4,6-trichlorophenol	143	16	"	200		71.5	58-113			
2,4,5-trichlorophenol	150	8	"	200		74.8	51-120			
2,4-dinitrotoluene	146	8	"	200		72.8	65-116			
hexachlorobenzene	147	8	"	200		73.4	62-122			
pentachlorophenol	177	16	"	200		88.6	66-145			
<i>Surrogate: 2-Fluorophenol</i>	264		"	800		33.0	14-66			
<i>Surrogate: Phenol-d6</i>	206		"	800		25.7	7-43			
<i>Surrogate: Nitrobenzene-d5</i>	231		"	400		57.9	46-103			
<i>Surrogate: 2-Fluorobiphenyl</i>	258		"	400		64.6	50-105			
<i>Surrogate: 2,4,6-Tribromophenol</i>	597		"	800		74.6	44-120			
<i>Surrogate: Terphenyl-d14</i>	254		"	400		63.4	57-107			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 13:52

**Conventional Chemistry Parameters by EPA Methods - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81621 - General Preparation</b>										
<b>Duplicate (AE81621-DUP1)</b>										
		<b>Source: 8E15008-02</b>			<b>Prepared &amp; Analyzed: 05/16/08</b>					
pH	9.23	0.10	pH Units		9.23			0.00	20	

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 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 13:52

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE82114 - General Preparation</b>										
<b>Blank (AE82114-BLK1)</b>					Prepared: 05/19/08 Analyzed: 05/21/08					
Reactive Sulfide	ND	40.0	mg/kg							U
<b>LCS (AE82114-BS1)</b>					Prepared: 05/19/08 Analyzed: 05/21/08					
Reactive Sulfide	449	40.0	mg/kg	545		82.3	66-109			
<b>Batch AE82120 - General Preparation</b>										
<b>Blank (AE82120-BLK1)</b>					Prepared: 05/19/08 Analyzed: 05/21/08					
Reactive Cyanide	ND	40.0	mg/kg							U
<b>LCS (AE82120-BS1)</b>					Prepared: 05/19/08 Analyzed: 05/21/08					
Reactive Cyanide	79.1	40.0	mg/kg	849		9.32	7-12			



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 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 13:52

**Gasoline Range Organics by EPA 8015B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81610 - EPA 5030 Soil GC</b>										
<b>Blank (AE81610-BLK1)</b>										
Prepared & Analyzed: 05/16/08										
Gasoline Range Organics	ND	31.2	mg/kg wet							U
Surrogate: Naphthalene-d8	5.19		"	5.00		104	51-137			
<b>LCS (AE81610-BS1)</b>										
Prepared & Analyzed: 05/16/08										
Gasoline Range Organics	133	31.2	mg/kg wet	125		107	68-143			
Surrogate: Naphthalene-d8	5.28		"	5.00		106	51-137			

### Notes and Definitions

- U** Analyte included in the analysis, but not detected
- S-04** The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect
- QM-01** The spike recovery for this QC sample is outside of established control limits due to sample matrix interference
- L** L denotes analyte recovery is less than the lower quality control limit
- B** Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- #** Denotes RPD is outside QC limits.
- DET** Analyte DETECTED
- ND** Analyte NOT DETECTED at or above the reporting limit
- NR** Not Reported
- dry** Sample results reported on a dry weight basis
- RPD** Relative Percent Difference

8E14002

CHAIN OF CUSTODY RECORD							TESTS				URS				
PROJECT NO. 11174957.00000			SITE NAME MUSDOT RTE 20A RTE 16/RTE 78 EAST AUSTIN				STAINLESS STEEL TCLP VOC (30) (200) TCLP SVOC (27) TCLP SVOC (27) TCLP SVOC TCLP METALS RCRA Ignit (100) Corrosivity 9045 Reactivity CH 2, 3 Paint Filter TPH				LAB <u>Waste Streams</u>				
SAMPLERS (PRINT/SIGNATURE) David Corfield TTH							BOTTLE TYPE AND PRESERVATIVE				COOLER <u>1</u> of <u>1</u>				
DELIVERY SERVICE: <u>URS</u> AIRBILL NO: <u>N/A</u>											PAGE <u>1</u> of <u>2</u>				
LOCATION IDENTIFIER	DATE	TIME	COMP. GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	2 oz glass 4°C	2 oz glass 4°C	16 oz glass 4°C	16 oz glass 4°C	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. (URPUS)
BH-WL-1,2,3	5/12/08	1300	C	BH-WL-1,2,3	SO	7	3	3	1	→	-01	NI	4	6	-
<del>BH-WL-5</del>	<del>5/12/08</del>	<del>1445</del>	<del>C</del>	<del>BH-WL-5</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-WL-6</del>	<del>5/13/08</del>	<del>1045</del>	<del>C</del>	<del>BH-WL-6</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-WL-4</del>	<del>5/13/08</del>	<del>1225</del>	<del>C</del>	<del>BH-WL-4</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-WL-7</del>	<del>5/13/08</del>	<del>1155</del>	<del>C</del>	<del>BH-WL-7</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
BH-WL-4,5,6,7	5/13/08	1155	C	BH-WL-4,5,6,7	SO	9X	4	4	1	→		NI	0	6	-
<del>BH-WL-8</del>	<del>5/13/08</del>	<del>1258</del>	<del>C</del>	<del>BH-WL-8</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-WL-9</del>	<del>5/13/08</del>	<del>1510</del>	<del>C</del>	<del>BH-WL-9</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-WL-8,9</del>	<del>5/13/08</del>	<del>1520</del>	<del>C</del>	<del>BH-WL-8,9</del>	<del>SO</del>	<del>6Y</del>	<del>2</del>	<del>2</del>	<del>1</del>	→		<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-WL-8,9</del>	<del>5/13/08</del>	<del>1520</del>	<del>C</del>	<del>BH-WL-8,9</del>	<del>SO</del>	<del>1</del>						<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
MATRIX CODES		AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	WH - HAZARDOUS LIQUID WASTE								
SAMPLE TYPE CODES		SC - SEDIMENT	WP - DRINKING WATER	SW - SURFACE WATER	WS - WASTE WATER	DC - DRILL CUTTINGS	WS - WASTE WATER	WQ - WATER FIELD QC							
		TRK - TFP BLANK	RFB - FINE BLANK	NE - NORMAL ENVIRONMENTAL SAMPLE	IN - SEQUENTIAL NUMBER (FROM 1 TO 6 TO ACCOMMODATE MULTIPLE SAMPLES IN A SHEET DAY)										
RELINQUISHED BY (SIGNATURE)		DATE	TIME	RECEIVED BY (SIGNATURE)		DATE	TIME	SPECIAL INSTRUCTIONS							
RELINQUISHED BY (SIGNATURE)		DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)		DATE	TIME	SEND RESULTS TO GEORGE KISLUK 1 WEEK T.A.T. (add Point Filter and TPH) LAB (Waste Streams) will composite VUA's samples							
Distribution: Original accompanies shipment, copy to coordinator field files															

URS-07331074-DWCF-001

Call George KisluK prior to ANALYSIS.

6/2/08

6/2/08

6/2/08

8E14002

CHAIN OF CUSTODY RECORD						TESTS		URS							
PROJECT NO. 11174957.00000			SITE NAME: NYS DOT RTE 20A RTE 28 EAST ADELGA			STAG VOCs 8360+TCL TCLP VOCs 1311, 8260 B TCL SVCS PCB SVCS TCLP SVCS TCLP metals PCEA Inorganic Corros. Reactivity CH-7 T.3 Paint Filter TPH		LAB waste streams							
SAMPLERS (PRINT/SIGNATURE) David Coffield Jr. David Coffield Jr.						BOTTLE TYPE AND PRESERVATIVE		COOLER 1 of 1							
DELIVERY SERVICE: URS AIRBILL NO. N/A								PAGE 2 of 2							
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	2 02g glass 4°C	2 02g glass 4°C	16 02g glass 4°C	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. (IF APPLICABLE)	
<del>BH-SL-9</del>	<del>5/13/08</del>	<del>1620</del>	<del>G</del>	<del>BH-SL-9</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>		} OH	<del>NI</del>	<del>0</del>	<del>6</del>		
<del>BH-SL-8</del>		<del>1715</del>	<del>G</del>	<del>BH-SL-8</del>	<del>SO</del>	<del>2</del>	<del>1</del>	<del>1</del>			<del>NI</del>	<del>0</del>	<del>6</del>		
BH-SL-8,9		1720	C	BH-SL-8,9	SO	6X	2	2	1			NI	0	6	
<del>BH-SL-8,9</del>		<del>1720</del>	<del>C</del>	<del>BH-SL-8,9</del>	<del>SO</del>	<del>1</del>						<del>NI</del>	<del>0</del>	<del>6</del>	
MATRIX CODES		AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE		SI - SOURCE WP - DRINKING WATER WW - WASTE WATER		WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS		EL - ELUATE GS - SOIL GAS WD - DRILLING WATER		WO - OCEAN WATER WS - SURFACE WATER WC - WATER FIELD GC		LH - HAZARDOUS LIQUID WASTE LP - HAZARDOUS PRODUCT ON CW TABLE			
SAMPLE TYPE CODES		TBK - TBP BLANK BOM - MATRIX SPK DPLICATE		BIBK - BIPK BLANK FRB - FIELD REPLICATE		N# - NORMAL ENVIRONMENTAL SAMPLE V# - MATRIX SPIKE		(X - SEQUENTIAL NUMBER FROM 1 TO 9 TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)							
RELINQUISHED BY (SIGNATURE) David Coffield Jr.		DATE	TIME	RECEIVED BY (SIGNATURE) David M. Van...		DATE	TIME	SPECIAL INSTRUCTIONS							
RELINQUISHED BY (SIGNATURE)		DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)		DATE	TIME								
Distribution: Original accompanies shipment, copy to coordinator field files															

624  
4/25/08

**WASTE STREAM TECHNOLOGY, INC.**

302 Grote Street  
Buffalo, NY 14207  
(716) 876-5290

**Analytical Data Report**  
Report Date: 05/28/08  
Work Order Number: 8E15008

**Prepared For**  
George Kisluk  
URS Corporation Group Consultants  
77 Goodell Street  
Buffalo, NY 14203  
Fax: (716) 856-2545

Site: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora

Enclosed are the results of analyses for samples received by the laboratory on 05/15/08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



\_\_\_\_\_  
Brian S. Schepart, Ph.D., Laboratory Director

**ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS**  
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068



Waste Stream Technology Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk  
Reported: 05/28/08 15:11

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-SL-4, 5, 6, 7	8E15008-01	Soil	05/14/08 12:20	05/15/08 08:30
BH-SL-1, 2, 3	8E15008-02	Soil	05/14/08 15:25	05/15/08 08:30

#### Case Narrative

This narrative pertains to the two soil samples from the NYSDOT Route 20A, Route 16, and Route 78 East A project (11174957.00000) that were collected on May 14, 2008 and received on May 15, 2008. The samples correspond to the Waste Stream Technology Inc. work order number 8E15008 and sample ID numbers 8E15008-01 and 8E15008-02.

1. **Sample Receipt and Preservation:** There were no problems observed with the receipt and preservation of the sample from work order number 8E15008.

2. **Sample Holding Times:** The required holding times were met for all of the extractions and analyses performed on the samples from work order number 8E15008.

3. **Method Blank Analysis:** The method blanks analyzed for each of the analytical parameters performed on the samples from work order number 8E15008 did not contain any target analytes with the following exceptions

3.1 In the method blank associated with metals analysis barium was detected at 0.106 mg/L. Barium was detected in both of the samples from work order number 8E15008, but at levels less than 10 times the amount of the blank. Therefore both samples were flagged with a B qualifier.

3.2 The method blank associated with the volatile organic compound analysis Method 8260B contained the compound methylene chloride at 2.4 µg/kg. Methylene chloride was not detected in either of the two samples from work order number 8E15008 and therefore no qualifiers were assigned.

4. **Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) Analysis:** Recoveries of the target analytes from the laboratory control samples associated with the analyses performed on the sample from work order number 8E15008 were found to be within the control limits.

5. **Matrix spike (MS) and matrix spike duplicate (MSD) Analysis:** Recoveries of the target analytes from the MS and MSD samples associated with the analyses performed on the samples from work order number 8E15008 were found to be within the control limits with the following exceptions:

5.1 The MS and MSD for mercury analysis were performed on sample number 8E14002-01 (a URS sample not from work order 8E15008, but digested and analyzed in the same analytical batch). The recoveries of the target analytes from the MS and MSD were found to be within the control limits.

5.2 The MS and MSD for metals analysis were performed on sample number 8E14002-01 (a URS sample not from work order 8E15008, but digested and analyzed in the same analytical batch). In the matrix spike AE81611-MS1 for metals, the recovery of silver was below QC limits and flagged with the L qualifier. In addition, the RPD of silver in the matrix spike duplicate AE81611-MSD1 was outside QC limits and was flagged with the # qualifier.

5.3 The MS and MSD for semivolatile analysis were performed on sample number 8E15010-04 (a sample not from work order 8E15008,

Waste Stream Technology Inc.

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

but digested and analyzed in the same analytical batch). In the matrix spike AE81618-MS1/MSD1 for semivolatile organic compounds the recovery of 3-nitroaniline was outside QC limits due to the matrix effect and flagged with the QM01 qualifier. In addition, in the MSD sample, the RPD for benzidine was outside QC limits and flagged with the # qualifier.

6. Surrogate Compound Recoveries: The recoveries of the surrogate compounds from the GC and GC/MS analyses of the samples from work order number 8E15008 and the associated QC samples were found to be within the control limits with the following exceptions:

6.1 The recoveries of the surrogates nitrobenzene-d5 and terphenyl-d14 from the Method 8270C analysis of sample number 8E15008-02 were outside QC limits. These recoveries were flagged with the S-04 data qualifier, as sample matrix effects are the suspected cause for the low recoveries.

6.2 The recovery of the surrogates nitrobenzene d-5 and 2-fluorobiphenyl from the Method 8270C analysis of the method blank were low and flagged with the L qualifier.

7. Internal Standard Recoveries: The recoveries of the internal standard compounds from the Method 8260B and Method 8270C GC/MS analyses that were performed on the samples from work order number 8E15008 and the associated quality control samples were found to be within the method limits with the following exception:

7.1 The recovery of the Method 8260B internal standard (IS) 1,4-dichlorobenzene-d4 from the analysis of sample number 8E15008-02 was 41%. The sample was re-analyzed and the recovery of this IS was 40% indicating that the low recovery was due to sample matrix. There were no target compounds quantitated from these low IS areas.

#### 8. Other Observations

8.1 Due to the level of target and non-target metals in the sample, the Metals extract of sample numbers 8E15008-01 and 8E15008-02 were analyzed at a dilution factor of 5. The Metals reporting limits for this sample have been adjusted accordingly.

URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Extractable Petroleum Hydrocarbons by 8015 DRO  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil</b> <b>Sampled: 05/14/08 12:20</b> <b>Received: 05/15/08 08:30</b>									
Diesel Range Organics (C10-C28)	53	35	mg/kg dry	1	AE82022	05/20/08	05/20/08	8015B	
Surrogate: Chlorobenzene		100 %	60-152		"	"	"	"	
<b>BH-SL-1, 2, 3 (8E15008-02) Soil</b> <b>Sampled: 05/14/08 15:25</b> <b>Received: 05/15/08 08:30</b>									
Diesel Range Organics (C10-C28)	ND	35	mg/kg dry	1	AE82022	05/20/08	05/20/08	8015B	U
Surrogate: Chlorobenzene		96.8 %	60-152		"	"	"	"	



URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**TCLP Metals by 6000/7000 Series Methods**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil Sampled: 05/14/08 12:20 Received: 05/15/08 08:30</b>									
Mercury	ND	0.001	mg/L	1	AE81603	05/16/08	05/16/08	EPA 7470A	U
Silver	ND	0.025	"	5	AE81611	05/16/08	05/16/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
<b>Barium</b>	<b>0.537 ND</b>	<del>0.025</del>	"	"	"	"	"	"	U
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U

<b>BH-SL-1, 2, 3 (8E15008-02) Soil Sampled: 05/14/08 15:25 Received: 05/15/08 08:30</b>									
Mercury	ND	0.001	mg/L	1	AE81603	05/16/08	05/16/08	EPA 7470A	U
Silver	ND	0.025	"	5	AE81611	05/16/08	05/16/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
<b>Barium</b>	<b>0.358 ND</b>	<del>0.025</del>	"	"	"	"	"	"	U
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U

URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Polychlorinated Biphenyls by EPA Method 8082**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil</b> <b>Sampled: 05/14/08 12:20</b> <b>Received: 05/15/08 08:30</b>									
Aroclor 1016	ND	49.0	ug/kg dry	1	AE81506	05/15/08	05/15/08	8082	U
Aroclor 1221	ND	49.0	"	"	"	"	"	"	U
Aroclor 1232	ND	49.0	"	"	"	"	"	"	U
Aroclor 1242	ND	49.0	"	"	"	"	"	"	U
Aroclor 1248	ND	49.0	"	"	"	"	"	"	U
Aroclor 1254	ND	49.0	"	"	"	"	"	"	U
Aroclor 1260	ND	49.0	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		103 %	74-133		"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		109 %	61-133		"	"	"	"	
<b>BH-SL-1, 2, 3 (8E15008-02) Soil</b> <b>Sampled: 05/14/08 15:25</b> <b>Received: 05/15/08 08:30</b>									
Aroclor 1016	ND	41.6	ug/kg dry	1	AE81506	05/15/08	05/15/08	8082	U
Aroclor 1221	ND	41.6	"	"	"	"	"	"	U
Aroclor 1232	ND	41.6	"	"	"	"	"	"	U
Aroclor 1242	ND	41.6	"	"	"	"	"	"	U
Aroclor 1248	ND	41.6	"	"	"	"	"	"	U
Aroclor 1254	ND	41.6	"	"	"	"	"	"	U
Aroclor 1260	ND	41.6	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		108 %	74-133		"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		113 %	61-133		"	"	"	"	

URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil Sampled: 05/14/08 12:20 Received: 05/15/08 08:30</b>									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	2	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
bromochloromethane	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
1,1-dichloropropene	ND	2	"	"	"	"	"	"	U
benzene	5	2	"	"	"	"	"	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	23	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	59	2	"	"	"	"	"	"	
1,3-dichloropropane	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
1-chlorohexane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	3	2	"	"	"	"	"	"	

Waste Stream Technology Inc.

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil</b> <b>Sampled: 05/14/08 12:20</b> <b>Received: 05/15/08 08:30</b>									
m,p-xylene	22	4	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	
o-xylene	5	2	"	"	"	"	"	"	
styrene	ND	2	"	"	"	"	"	"	U
bromoform	ND	2	"	"	"	"	"	"	U
isopropylbenzene	ND	2	"	"	"	"	"	"	U
1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
bromobenzene	ND	2	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	2	"	"	"	"	"	"	U
n-propylbenzene	ND	2	"	"	"	"	"	"	U
2-chlorotoluene	ND	2	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	4	2	"	"	"	"	"	"	
4-chlorotoluene	ND	2	"	"	"	"	"	"	U
tert-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	11	2	"	"	"	"	"	"	
sec-butylbenzene	ND	2	"	"	"	"	"	"	U
p-isopropyltoluene	ND	2	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	2	"	"	"	"	"	"	U
n-butylbenzene	ND	2	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	2	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	2	"	"	"	"	"	"	U
hexachlorobutadiene	ND	2	"	"	"	"	"	"	U
naphthalene	8	2	"	"	"	"	"	"	
1,2,3-trichlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		102 %		79-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %		81-118	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		85-104	"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %		77-117	"	"	"	"	

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Project: DOT Projects  
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Reported:  
 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-1, 2, 3 (8E15008-02) Soil Sampled: 05/14/08 15:25 Received: 05/15/08 08:30</b>									
dichlorodifluoromethane	ND	10	ug/kg dry	1	AE81501	05/15/08	05/15/08	8260	U
chloromethane	ND	10	"	"	"	"	"	"	U
vinyl chloride	ND	10	"	"	"	"	"	"	U
bromomethane	ND	10	"	"	"	"	"	"	U
chloroethane	ND	10	"	"	"	"	"	"	U
trichlorofluoromethane	ND	10	"	"	"	"	"	"	U
1,1-dichloroethene	ND	2	"	"	"	"	"	"	U
acetone	ND	10	"	"	"	"	"	"	U
carbon disulfide	ND	2	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	2	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
1,1-dichloroethane	ND	2	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	2	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	2	"	"	"	"	"	"	U
chloroform	ND	2	"	"	"	"	"	"	U
bromochloromethane	ND	2	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	U
carbon tetrachloride	ND	2	"	"	"	"	"	"	U
1,1-dichloropropene	ND	2	"	"	"	"	"	"	U
benzene	ND	2	"	"	"	"	"	"	U
1,2-dichloroethane	ND	2	"	"	"	"	"	"	U
trichloroethene	ND	2	"	"	"	"	"	"	U
1,2-dichloropropane	ND	2	"	"	"	"	"	"	U
bromodichloromethane	ND	2	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
toluene	ND	2	"	"	"	"	"	"	U
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	2	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	86	2	"	"	"	"	"	"	U
1,3-dichloropropane	ND	2	"	"	"	"	"	"	U
dibromochloromethane	ND	2	"	"	"	"	"	"	U
1,2-dibromoethane	ND	2	"	"	"	"	"	"	U
1-chlorohexane	ND	2	"	"	"	"	"	"	U
chlorobenzene	ND	2	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	2	"	"	"	"	"	"	U
ethylbenzene	ND	2	"	"	"	"	"	"	U

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Project: DOT Projects  
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Reported: 05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil Sampled: 05/14/08 12:20 Received: 05/15/08 08:30</b>									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
Aniline	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	117	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	113	67	"	"	"	"	"	"	U

Waste Stream Technology Inc.

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77 Goodell Street  
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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
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Reported: 05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (SE15008-01) Soil</b> <b>Sampled: 05/14/08 12:20</b> <b>Received: 05/15/08 08:30</b>									
4-Chlorophenyl phenyl ether	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
Diethyl phthalate	ND	67	"	"	"	"	"	"	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	709	67	"	"	"	"	"	"	
anthracene	195	67	"	"	"	"	"	"	
carbazole	117	67	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	748	67	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	543	67	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	296	67	"	"	"	"	"	"	
chrysene	271	67	"	"	"	"	"	"	
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	295	67	"	"	"	"	"	"	
Benzo (k) fluoranthene	142	67	"	"	"	"	"	"	
Benzo (a) pyrene	260	67	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	101	67	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	162	67	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		77.0 %		43-104	"	"	"	"	
<i>Surrogate: Phenol-d6</i>		83.8 %		52-109	"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		70.3 %		52-111	"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		74.0 %		60-111	"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		73.9 %		46-130	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		76.5 %		36-139	"	"	"	"	



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**Semivolatile Organic Compounds by EPA Method 8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-1, 2, 3 (8E15008-02) Soil Sampled: 05/14/08 15:25 Received: 05/15/08 08:30</b>									
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
bis(2-chloroethyl)ether	ND	67	"	"	"	"	"	"	U
Aniline	ND	67	"	"	"	"	"	"	U
phenol	ND	130	"	"	"	"	"	"	U
2-chlorophenol	ND	130	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	67	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	U
benzyl alcohol	ND	67	"	"	"	"	"	"	U
bis(2-chloroisopropyl)ether	ND	67	"	"	"	"	"	"	U
2-methylphenol	ND	67	"	"	"	"	"	"	U
hexachloroethane	ND	67	"	"	"	"	"	"	U
N-Nitrosodi-n-propylamine	ND	67	"	"	"	"	"	"	U
3 & 4-methylphenol	ND	130	"	"	"	"	"	"	U
nitrobenzene	ND	67	"	"	"	"	"	"	U
isophorone	ND	67	"	"	"	"	"	"	U
2-nitrophenol	ND	130	"	"	"	"	"	"	U
2,4-dimethylphenol	ND	130	"	"	"	"	"	"	U
Bis(2-chloroethoxy)methane	ND	67	"	"	"	"	"	"	U
benzoic acid	ND	330	"	"	"	"	"	"	U
2,4-dichlorophenol	ND	130	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	67	"	"	"	"	"	"	U
naphthalene	ND	67	"	"	"	"	"	"	U
4-chloroaniline	ND	67	"	"	"	"	"	"	U
hexachlorobutadiene	ND	67	"	"	"	"	"	"	U
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	"	U
2-methylnaphthalene	ND	67	"	"	"	"	"	"	U
hexachlorocyclopentadiene	ND	130	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	130	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	67	"	"	"	"	"	"	U
2-chloronaphthalene	ND	67	"	"	"	"	"	"	U
2-nitroaniline	ND	67	"	"	"	"	"	"	U
acenaphthylene	ND	67	"	"	"	"	"	"	U
Dimethyl phthalate	ND	67	"	"	"	"	"	"	U
2,6-dinitrotoluene	ND	67	"	"	"	"	"	"	U
acenaphthene	ND	67	"	"	"	"	"	"	U
3-nitroaniline	ND	67	"	"	"	"	"	"	U
2,4-dinitrophenol	ND	130	"	"	"	"	"	"	U
dibenzofuran	ND	67	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	67	"	"	"	"	"	"	U
4-nitrophenol	ND	130	"	"	"	"	"	"	U
fluorene	ND	67	"	"	"	"	"	"	U

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-1, 2, 3 (8E15008-02) Soil    Sampled: 05/14/08 15:25    Received: 05/15/08 08:30</b>									
4-Chlorophenyl phenyl ether	ND	67	ug/kg dry	1	AE81618	05/16/08	05/20/08	8270	U
Diethyl phthalate	ND	67	"	"	"	"	"	"	U
4-nitroaniline	ND	67	"	"	"	"	"	"	U
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"	"	"	U
n-nitrosodiphenylamine	ND	67	"	"	"	"	"	"	U
4-bromophenylphenylether	ND	67	"	"	"	"	"	"	U
hexachlorobenzene	ND	67	"	"	"	"	"	"	U
pentachlorophenol	ND	130	"	"	"	"	"	"	U
phenanthrene	151	67	"	"	"	"	"	"	
anthracene	ND	67	"	"	"	"	"	"	U
carbazole	ND	67	"	"	"	"	"	"	U
Di-n-butyl phthalate	ND	67	"	"	"	"	"	"	U
benzidine	ND	330	"	"	"	"	"	"	U
fluoranthene	157	67	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	67	"	"	"	"	"	"	U
pyrene	115	67	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	67	"	"	"	"	"	"	U
chrysene	ND	67	"	"	"	"	"	"	U
bis(2-ethylhexyl)phthalate	ND	67	"	"	"	"	"	"	U
Di-n-octyl phthalate	ND	67	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	67	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	67	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	67	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	67	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	103	67	"	"	"	"	"	"	
<i>Surrogate: 2-Fluorophenol</i>		88.2 %	43-104		"	"	"	"	
<i>Surrogate: Phenol-d6</i>		92.7 %	52-109		"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		78.2 %	52-111		"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		80.2 %	60-111		"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		79.6 %	46-130		"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		83.3 %	36-139		"	"	"	"	

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk  
Reported: 05/28/08 15:11

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**BH-SL-4, 5, 6, 7 (8E15008-01) Soil** Sampled: 05/14/08 12:20 Received: 05/15/08 08:30

vinyl chloride	ND	10	ug/l	1	AE82107	05/21/08	05/21/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		94.4 %		76-106	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %		87-117	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		88.1 %		85-106	"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		91.8 %		87-118	"	"	"	"	

**BH-SL-1, 2, 3 (8E15008-02) Soil** Sampled: 05/14/08 15:25 Received: 05/15/08 08:30

vinyl chloride	ND	10	ug/l	1	AE82107	05/21/08	05/21/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		94.2 %		76-106	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.5 %		87-117	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93.4 %		85-106	"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %		87-118	"	"	"	"	

Waste Stream Technology Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil Sampled: 05/14/08 12:20 Received: 05/15/08 08:30</b>									
pyridine	ND	8	ug/l	1	AE81607	05/16/08	05/20/08	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		32.7 %	14-66		"	"	"	"	
Surrogate: Phenol-d6		26.9 %	7-43		"	"	"	"	
Surrogate: Nitrobenzene-d5		67.9 %	46-103		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		71.3 %	50-105		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		72.0 %	44-120		"	"	"	"	
Surrogate: Terphenyl-d14		74.7 %	57-107		"	"	"	"	
<b>BH-SL-1, 2, 3 (8E15008-02) Soil Sampled: 05/14/08 15:25 Received: 05/15/08 08:30</b>									
pyridine	ND	8	ug/l	1	AE81607	05/16/08	05/20/08	8270C-TCLP	U UJ
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U UJ
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U UJ
nitrobenzene	ND	8	"	"	"	"	"	"	U UJ
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U UJ
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U UJ
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U UJ
hexachlorobenzene	ND	8	"	"	"	"	"	"	U UJ
pentachlorophenol	ND	16	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		19.8 %	14-66		"	"	"	"	
Surrogate: Phenol-d6		17.8 %	7-43		"	"	"	"	
Surrogate: Nitrobenzene-d5		40.7 %	46-103		"	"	"	"	S-04
Surrogate: 2-Fluorobiphenyl		51.8 %	50-105		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		58.7 %	44-120		"	"	"	"	
Surrogate: Terphenyl-d14		55.6 %	57-107		"	"	"	"	S-04

NDP  
5/30/08

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 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Conventional Chemistry Parameters by EPA Methods  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil</b> <b>Sampled: 05/14/08 12:20</b> <b>Received: 05/15/08 08:30</b>									
pH	5.92	0.10	pH Units	1	AE81621	05/16/08	05/16/08	EPA 9045C	
% Solids	75.6	0.1	%	"	AE81615	05/15/08	05/16/08	% calculation	
<b>BH-SL-1, 2, 3 (8E15008-02) Soil</b> <b>Sampled: 05/14/08 15:25</b> <b>Received: 05/15/08 08:30</b>									
pH	9.23	0.10	pH Units	1	AE81621	05/16/08	05/16/08	EPA 9045C	
% Solids	81.2	0.1	%	"	AE81615	05/15/08	05/16/08	% calculation	

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Project: DOT Projects  
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 Reported: 05/28/08 15:11

**Physical Parameters by APHA/ASTM/EPA Methods  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil</b> <b>Sampled: 05/14/08 12:20</b> <b>Received: 05/15/08 08:30</b>									
Ignitability by DOT	Pass		N/A	1	AE81612	05/16/08	05/16/08	EPA 1030	
Free Liquid	Pass	1.00	"	"	AE81614	05/16/08	05/16/08	EPA 9095	
Reactive Cyanide	ND	40.0	mg/kg	"	AE82120	05/19/08	05/21/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AE82114	"	05/21/08	Section 7.3.4.2	U
<b>BH-SL-1, 2, 3 (8E15008-02) Soil</b> <b>Sampled: 05/14/08 15:25</b> <b>Received: 05/15/08 08:30</b>									
Ignitability by DOT	Pass		N/A	1	AE81612	05/16/08	05/16/08	EPA 1030	
Free Liquid	Pass	1.00	"	"	AE81614	05/16/08	05/16/08	EPA 9095	
Reactive Cyanide	ND	40.0	mg/kg	"	AE82120	05/19/08	05/21/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AE82114	"	05/21/08	Section 7.3.4.2	U

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 Reported: 05/28/08 15:11

**Gasoline Range Organics by EPA 8015B  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BH-SL-4, 5, 6, 7 (8E15008-01) Soil</b> Sampled: 05/14/08 12:20 Received: 05/15/08 08:30									
Gasoline Range Organics	ND	30.5	mg/kg dry	1	AE81906	05/19/08	05/19/08	8015B	U
Surrogate: Naphthalene-d8		82.0 %	51-137		"	"	"	"	
<b>BH-SL-1, 2, 3 (8E15008-02) Soil</b> Sampled: 05/14/08 15:25 Received: 05/15/08 08:30									
Gasoline Range Organics	ND	29.9	mg/kg dry	1	AE81906	05/19/08	05/19/08	8015B	U
Surrogate: Naphthalene-d8		91.8 %	51-137		"	"	"	"	

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 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Extractable Petroleum Hydrocarbons by 8015 DRO - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE82022 - EPA 3550B</b>										
<b>Blank (AE82022-BLK1)</b>					Prepared & Analyzed: 05/20/08					
Diesel Range Organics (C10-C28)	ND	35	mg/kg wet							U
Surrogate: Chlorobenzene	13.0		"	10.0		130	60-152			
<b>LCS (AE82022-BS1)</b>					Prepared & Analyzed: 05/20/08					
Diesel Range Organics (C10-C28)	189	35	mg/kg wet	167		113	61-141			
Surrogate: Chlorobenzene	10.3		"	10.0		103	60-152			



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Reported:  
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**TCLP Metals by 6000/7000 Series Methods - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81603 - EPA 7470A Leachate**

**Blank (AE81603-BLK1)**

Prepared & Analyzed: 05/16/08

Mercury	ND	0.001	mg/L							U
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**LCS (AE81603-BS1)**

Prepared & Analyzed: 05/16/08

Mercury	0.00331	0.001	mg/L	0.00333		99.2	80-120			
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**Matrix Spike (AE81603-MS1)**

Source: 8E14002-01

Prepared & Analyzed: 05/16/08

Mercury	0.00323	0.001	mg/L	0.00333	ND	97.0	75-125			
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**Matrix Spike Dup (AE81603-MSD1)**

Source: 8E14002-01

Prepared & Analyzed: 05/16/08

Mercury	0.00326	0.001	mg/L	0.00333	ND	97.9	75-125	0.985	25	
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**Batch AE81611 - EPA 3015 Leachate**

**Blank (AE81611-BLK1)**

Prepared & Analyzed: 05/16/08

Silver	ND	0.025	mg/L							U
Arsenic	ND	0.045	"							U
Barium	0.106	0.025	"							
Cadmium	ND	0.025	"							U
Chromium	ND	0.025	"							U
Lead	ND	0.075	"							U
Selenium	ND	0.095	"							U

**LCS (AE81611-BS1)**

Prepared & Analyzed: 05/16/08

Silver	1.08	0.025	mg/L	1.11		97.5	80-120			
Arsenic	1.13	0.045	"	1.11		101	80-120			
Barium	1.27	0.025	"	1.11		114	80-120			
Cadmium	1.14	0.025	"	1.11		102	80-120			
Chromium	1.08	0.025	"	1.11		96.8	80-120			
Lead	1.14	0.075	"	1.11		103	80-120			
Selenium	1.26	0.095	"	1.11		113	80-120			

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Auron  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**TCLP Metals by 6000/7000 Series Methods - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81611 - EPA 3015 Leachate**

<b>Matrix Spike (AE81611-MS1)</b>		<b>Source: 8E14002-01</b>			<b>Prepared &amp; Analyzed: 05/16/08</b>					
Silver	0.699	0.025	mg/L	1.11	ND	62.9	75-125			L
Arsenic	1.19	0.045	"	1.11	ND	107	75-125			
Barium	1.52	0.025	"	1.11	0.337	106	75-125			
Cadmium	1.16	0.025	"	1.11	ND	105	75-125			
Chromium	1.11	0.025	"	1.11	ND	100	75-125			
Lead	1.12	0.075	"	1.11	ND	101	75-125			
Selenium	1.22	0.095	"	1.11	ND	110	75-125			

<b>Matrix Spike Dup (AE81611-MSD1)</b>		<b>Source: 8E14002-01</b>			<b>Prepared &amp; Analyzed: 05/16/08</b>					
Silver	1.06	0.025	mg/L	1.11	ND	95.3	75-125	41.0	25	#
Arsenic	1.18	0.045	"	1.11	ND	106	75-125	0.732	25	
Barium	1.50	0.025	"	1.11	0.337	105	75-125	0.981	25	
Cadmium	1.15	0.025	"	1.11	ND	103	75-125	1.27	25	
Chromium	1.10	0.025	"	1.11	ND	99.2	75-125	0.935	25	
Lead	1.12	0.075	"	1.11	ND	101	75-125	0.608	25	
Selenium	1.23	0.095	"	1.11	ND	111	75-125	0.858	25	

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81506 - EPA 3550B**

**Blank (AE81506-BLK1)**

Prepared & Analyzed: 05/15/08

Aroclor 1016	ND	49.5	ug/kg wet							U
Aroclor 1221	ND	49.5	"							U
Aroclor 1232	ND	49.5	"							U
Aroclor 1242	ND	49.5	"							U
Aroclor 1248	ND	49.5	"							U
Aroclor 1254	ND	49.5	"							U
Aroclor 1260	ND	49.5	"							U

<i>Surrogate: Tetrachloro-meta-xylene</i>	254		"	250		101	74-133			
<i>Surrogate: Decachlorobiphenyl</i>	261		"	250		105	61-133			

**LCS (AE81506-BS1)**

Prepared & Analyzed: 05/15/08

Aroclor 1016	501	49.5	ug/kg wet	500		100	82-134			
Aroclor 1260	447	49.5	"	500		89.4	74-134			
<i>Surrogate: Tetrachloro-meta-xylene</i>	239		"	250		95.8	74-133			
<i>Surrogate: Decachlorobiphenyl</i>	257		"	250		103	61-133			

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**Blank (AE81501-BLK1)**

Prepared & Analyzed: 05/15/08

dichlorodifluoromethane	ND	10	ug/kg wet							U
chloromethane	ND	10	"							U
vinyl chloride	ND	10	"							U
bromomethane	ND	10	"							U
chloroethane	ND	10	"							U
trichlorofluoromethane	ND	10	"							U
1,1-dichloroethene	ND	2	"							U
acetone	ND	10	"							U
carbon disulfide	ND	2	"							U
methylene chloride	2.4	2	"							
Methyl tert-butyl ether	ND	2	"							U
Acrylonitrile	ND	10	"							U
trans-1,2-dichloroethene	ND	2	"							U
1,1-dichloroethane	ND	2	"							U
vinyl acetate	ND	10	"							U
2-butanone	ND	10	"							U
2,2-dichloropropane	ND	2	"							U
cis-1,2-dichloroethene	ND	2	"							U
chloroform	ND	2	"							U
bromochloromethane	ND	2	"							U
1,1,1-trichloroethane	ND	2	"							U
carbon tetrachloride	ND	2	"							U
1,1-dichloropropene	ND	2	"							U
benzene	ND	2	"							U
1,2-dichloroethane	ND	2	"							U
trichloroethene	ND	2	"							U
1,2-dichloropropane	ND	2	"							U
bromodichloromethane	ND	2	"							U
4-Methyl-2-pentanone (MIBK)	ND	10	"							U
cis-1,3-dichloropropene	ND	2	"							U
toluene	ND	2	"							U
trans-1,3-dichloropropene	ND	2	"							U
1,1,2-trichloroethane	ND	2	"							U
2-hexanone	ND	10	"							U
tetrachloroethene	ND	2	"							U
1,3-dichloropropane	ND	2	"							U
dibromochloromethane	ND	2	"							U
1,2-dibromoethane	ND	2	"							U

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

Blank (AE81501-BLK1)

Prepared & Analyzed: 05/15/08

1-chlorohexane	ND	2	ug/kg wet							U
chlorobenzene	ND	2	"							U
1,1,1,2-tetrachloroethane	ND	2	"							U
ethylbenzene	ND	2	"							U
m,p-xylene	ND	4	"							U
o-xylene	ND	2	"							U
styrene	ND	2	"							U
bromoform	ND	2	"							U
isopropylbenzene	ND	2	"							U
1,1,2,2-tetrachloroethane	ND	2	"							U
bromobenzene	ND	2	"							U
1,2,3-trichloropropane	ND	2	"							U
n-propylbenzene	ND	2	"							U
2-chlorotoluene	ND	2	"							U
1,3,5-trimethylbenzene	ND	2	"							U
4-chlorotoluene	ND	2	"							U
tert-butylbenzene	ND	2	"							U
1,2,4-trimethylbenzene	ND	2	"							U
sec-butylbenzene	ND	2	"							U
p-isopropyltoluene	ND	2	"							U
1,3-dichlorobenzene	ND	2	"							U
1,4-dichlorobenzene	ND	2	"							U
n-butylbenzene	ND	2	"							U
1,2-dichlorobenzene	ND	2	"							U
1,2-dibromo-3-chloropropane	ND	10	"							U
1,2,4-trichlorobenzene	ND	2	"							U
hexachlorobutadiene	ND	2	"							U
naphthalene	ND	2	"							U
1,2,3-trichlorobenzene	ND	2	"							U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	2	"							U
<i>Surrogate: Dibromofluoromethane</i>	26.9		ng/ml	30.0		89.5	79-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	28.3		"	30.0		94.3	81-118			
<i>Surrogate: Toluene-d8</i>	28.0		"	30.0		93.2	85-104			
<i>Surrogate: Bromofluorobenzene</i>	26.9		"	30.0		89.5	77-117			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**LCS (AE81501-BS1)**

Prepared & Analyzed: 05/15/08

dichlorodifluoromethane	19.0	10	ug/kg wet	20.0		94.8	42-135			
chloromethane	17.3	10	"	20.0		86.6	50-105			
vinyl chloride	19.4	10	"	20.0		97.2	67-119			
bromomethane	21.0	10	"	20.0		105	39-140			
chloroethane	21.6	10	"	20.0		108	64-168			
trichlorofluoromethane	18.3	10	"	20.0		91.4	73-102			
1,1-dichloroethene	20.0	2	"	20.0		99.9	66-122			
acetone	18.5	10	"	20.0		92.6	31-156			
carbon disulfide	18.1	2	"	20.0		90.6	70-125			
methylene chloride	21.4	2	"	20.0		107	12-260			
Methyl tert-butyl ether	18.0	2	"	20.0		90.1	75-105			
Acrylonitrile	20.7	10	"	20.0		103	65-127			
trans-1,2-dichloroethene	19.4	2	"	20.0		97.2	74-113			
1,1-dichloroethane	18.7	2	"	20.0		93.5	77-116			
vinyl acetate	14.5	10	"	20.0		72.7	33-114			
2-butanone	20.0	10	"	20.0		99.9	62-132			
2,2-dichloropropane	19.4	2	"	20.0		96.8	84-111			
cis-1,2-dichloroethene	19.2	2	"	20.0		96.0	69-114			
chloroform	17.7	2	"	20.0		88.6	73-124			
bromochloromethane	21.0	2	"	20.0		105	88-129			
1,1,1-trichloroethane	18.4	2	"	20.0		92.1	68-135			
carbon tetrachloride	18.2	2	"	20.0		91.0	78-119			
1,1-dichloropropene	17.6	2	"	20.0		87.9	77-109			
benzene	19.3	2	"	20.0		96.6	80-117			
1,2-dichloroethane	19.3	2	"	20.0		96.4	75-138			
trichloroethene	19.8	2	"	20.0		99.0	81-119			
1,2-dichloropropane	20.3	2	"	20.0		101	79-118			
bromodichloromethane	20.2	2	"	20.0		101	86-116			
4-Methyl-2-pentanone (MIBK)	19.3	10	"	20.0		96.4	69-127			
cis-1,3-dichloropropene	17.8	2	"	20.0		89.0	77-104			
toluene	20.2	2	"	20.0		101	75-114			
trans-1,3-dichloropropene	17.8	2	"	20.0		88.8	69-114			
1,1,2-trichloroethane	20.7	2	"	20.0		104	82-116			
2-hexanone	18.2	10	"	20.0		90.9	61-127			
tetrachloroethene	20.2	2	"	20.0		101	79-118			
1,3-dichloropropane	20.6	2	"	20.0		103	82-110			
dibromochloromethane	20.5	2	"	20.0		103	82-118			
1,2-dibromoethane	21.7	2	"	20.0		109	87-115			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodeil Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**LCS (AE81501-BS1)**

Prepared & Analyzed: 05/15/08

1-chlorohexane	18.4	2	ug/kg wet	20.0		91.9	83-103			
chlorobenzene	21.3	2	"	20.0		107	76-118			
1,1,1,2-tetrachloroethane	20.6	2	"	20.0		103	79-116			
ethylbenzene	19.7	2	"	20.0		98.4	80-107			
m,p-xylene	39.9	4	"	40.0		99.8	82-111			
o-xylene	18.5	2	"	20.0		92.5	77-108			
styrene	19.6	2	"	20.0		98.2	80-113			
bromoform	20.3	2	"	20.0		102	67-126			
isopropylbenzene	19.6	2	"	20.0		98.0	90-112			
1,1,2,2-tetrachloroethane	22.8	2	"	20.0		114	76-129			
bromobenzene	19.0	2	"	20.0		94.9	88-109			
1,2,3-trichloropropane	19.0	2	"	20.0		94.8	75-108			
n-propylbenzene	18.5	2	"	20.0		92.7	80-108			
2-chlorotoluene	19.0	2	"	20.0		95.0	82-105			
1,3,5-trimethylbenzene	18.9	2	"	20.0		94.7	82-106			
4-chlorotoluene	18.8	2	"	20.0		93.9	82-104			
tert-butylbenzene	17.4	2	"	20.0		87.1	77-107			
1,2,4-trimethylbenzene	18.1	2	"	20.0		90.5	80-104			
sec-butylbenzene	17.7	2	"	20.0		88.3	78-106			
p-isopropyltoluene	17.4	2	"	20.0		87.2	77-104			
1,3-dichlorobenzene	18.6	2	"	20.0		93.0	85-107			
1,4-dichlorobenzene	19.5	2	"	20.0		97.5	88-109			
n-butylbenzene	18.1	2	"	20.0		90.3	78-107			
1,2-dichlorobenzene	19.4	2	"	20.0		97.0	86-110			
1,2-dibromo-3-chloropropane	19.9	10	"	20.0		99.6	70-113			
1,2,4-trichlorobenzene	17.5	2	"	20.0		87.4	76-119			
hexachlorobutadiene	20.0	2	"	20.0		99.8	83-113			
naphthalene	19.0	2	"	20.0		94.8	74-121			
1,2,3-trichlorobenzene	19.4	2	"	20.0		96.8	83-116			
<i>Surrogate: Dibromofluoromethane</i>	26.5		ng/ml	30.0		88.1	79-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.7		"	30.0		85.5	81-118			
<i>Surrogate: Toluene-d8</i>	28.7		"	30.0		95.6	85-104			
<i>Surrogate: Bromofluorobenzene</i>	25.8		"	30.0		86.1	77-117			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81501 - EPA 5030/5035 Soil MS</b>										
<b>LCS Dup (AE81501-BSD1)</b>										
Prepared & Analyzed: 05/15/08										
dichlorodifluoromethane	18.7	10	ug/kg wet	20.0		93.6	42-135	1.33	20	
chloromethane	17.4	10	"	20.0		87.1	50-105	0.633	20	
vinyl chloride	19.4	10	"	20.0		97.2	67-119	0.0514	20	
bromomethane	19.7	10	"	20.0		98.4	39-140	6.68	20	
chloroethane	20.5	10	"	20.0		103	64-168	4.85	20	
trichlorofluoromethane	19.0	10	"	20.0		94.8	73-102	3.54	20	
1,1-dichloroethene	19.8	2	"	20.0		99.2	66-122	0.703	20	
acetone	18.9	10	"	20.0		94.6	31-156	2.19	20	
carbon disulfide	18.3	2	"	20.0		91.5	70-125	0.988	20	
methylene chloride	22.0	2	"	20.0		110	12-260	3.04	20	
Methyl tert-butyl ether	17.5	2	"	20.0		87.4	75-105	3.04	20	
Acrylonitrile	20.4	10	"	20.0		102	65-127	1.56	20	
trans-1,2-dichloroethene	19.4	2	"	20.0		96.9	74-113	0.361	20	
1,1-dichloroethane	18.9	2	"	20.0		94.4	77-116	0.958	20	
vinyl acetate	13.4	10	"	20.0		66.8	33-114	8.38	20	
2-butanone	19.4	10	"	20.0		97.1	62-132	2.84	20	
2,2-dichloropropane	19.3	2	"	20.0		96.4	84-111	0.414	20	
cis-1,2-dichloroethene	18.3	2	"	20.0		91.4	69-114	4.85	20	
chloroform	18.0	2	"	20.0		90.2	73-124	1.79	20	
bromochloromethane	20.4	2	"	20.0		102	88-129	3.19	20	
1,1,1-trichloroethane	18.5	2	"	20.0		92.6	68-135	0.487	20	
carbon tetrachloride	18.4	2	"	20.0		91.8	78-119	0.930	20	
1,1-dichloropropene	18.8	2	"	20.0		94.2	77-109	6.92	20	
benzene	21.2	2	"	20.0		106	80-117	8.99	20	
1,2-dichloroethane	21.2	2	"	20.0		106	75-138	9.39	20	
trichloroethene	19.5	2	"	20.0		97.5	81-119	1.48	20	
1,2-dichloropropane	19.9	2	"	20.0		99.6	79-118	1.69	20	
bromodichloromethane	20.1	2	"	20.0		100	86-116	0.745	20	
4-Methyl-2-pentanone (MIBK)	18.5	10	"	20.0		92.6	69-127	3.92	20	
cis-1,3-dichloropropene	17.2	2	"	20.0		86.1	77-104	3.37	20	
toluene	20.2	2	"	20.0		101	75-114	0.0992	20	
trans-1,3-dichloropropene	17.9	2	"	20.0		89.6	69-114	0.841	20	
1,1,2-trichloroethane	21.0	2	"	20.0		105	82-116	1.68	20	
2-hexanone	17.9	10	"	20.0		89.5	61-127	1.55	20	
tetrachloroethene	20.2	2	"	20.0		101	79-118	0.198	20	
1,3-dichloropropane	20.3	2	"	20.0		102	82-110	1.32	20	
dibromochloromethane	21.1	2	"	20.0		106	82-118	2.93	20	
1,2-dibromoethane	21.2	2	"	20.0		106	87-115	2.23	20	

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Volatile Organic Compounds by EPA Method 8260B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81501 - EPA 5030/5035 Soil MS**

**LCS Dup (AE81501-BSD1)**

Prepared & Analyzed: 05/15/08

1-chlorohexane	18.4	2	ug/kg wet	20.0		91.8	83-103	0.0544	20	
chlorobenzene	21.4	2	"	20.0		107	76-118	0.468	20	
1,1,1,2-tetrachloroethane	20.9	2	"	20.0		104	79-116	1.59	20	
ethylbenzene	19.8	2	"	20.0		99.0	80-107	0.658	20	
m,p-xylene	40.3	4	"	40.0		101	82-111	0.898	20	
o-xylene	18.6	2	"	20.0		92.9	77-108	0.431	20	
styrene	19.8	2	"	20.0		99.2	80-113	0.963	20	
bromoform	21.1	2	"	20.0		105	67-126	3.62	20	
isopropylbenzene	19.8	2	"	20.0		99.0	90-112	0.964	20	
1,1,2,2-tetrachloroethane	22.8	2	"	20.0		114	76-129	0.307	20	
bromobenzene	19.2	2	"	20.0		96.2	88-109	1.31	20	
1,2,3-trichloropropane	18.8	2	"	20.0		93.9	75-108	0.954	20	
n-propylbenzene	18.4	2	"	20.0		92.0	80-108	0.812	20	
2-chlorotoluene	18.9	2	"	20.0		94.5	82-105	0.475	20	
1,3,5-trimethylbenzene	18.6	2	"	20.0		93.1	82-106	1.70	20	
4-chlorotoluene	19.1	2	"	20.0		95.6	82-104	1.74	20	
tert-butylbenzene	17.3	2	"	20.0		86.5	77-107	0.691	20	
1,2,4-trimethylbenzene	17.9	2	"	20.0		89.7	80-104	0.888	20	
sec-butylbenzene	17.6	2	"	20.0		87.8	78-106	0.511	20	
p-isopropyltoluene	17.4	2	"	20.0		87.1	77-104	0.115	20	
1,3-dichlorobenzene	18.4	2	"	20.0		92.0	85-107	1.03	20	
1,4-dichlorobenzene	19.1	2	"	20.0		95.4	88-109	2.18	20	
n-butylbenzene	17.9	2	"	20.0		89.4	78-107	1.00	20	
1,2-dichlorobenzene	19.1	2	"	20.0		95.6	86-110	1.45	20	
1,2-dibromo-3-chloropropane	18.9	10	"	20.0		94.4	70-113	5.41	20	
1,2,4-trichlorobenzene	16.8	2	"	20.0		84.0	76-119	3.91	20	
hexachlorobutadiene	19.8	2	"	20.0		99.0	83-113	0.805	20	
naphthalene	17.9	2	"	20.0		89.3	74-121	6.03	20	
1,2,3-trichlorobenzene	18.5	2	"	20.0		92.6	83-116	4.49	20	
<i>Surrogate: Dibromofluoromethane</i>	27.0		ng/ml	30.0		90.1	79-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	28.5		"	30.0		94.8	81-118			
<i>Surrogate: Toluene-d8</i>	29.0		"	30.0		96.4	85-104			
<i>Surrogate: Bromofluorobenzene</i>	26.3		"	30.0		87.5	77-117			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Blank (AE81618-BLK1)**

Prepared: 05/16/08 Analyzed: 05/19/08

N-Nitrosodimethylamine	ND	67	ug/kg wet							U
bis(2-chloroethyl)ether	ND	67	"							U
Aniline	ND	67	"							U
phenol	ND	130	"							U
2-chlorophenol	ND	130	"							U
1,3-dichlorobenzene	ND	67	"							U
1,4-dichlorobenzene	ND	67	"							U
1,2-dichlorobenzene	ND	67	"							U
benzyl alcohol	ND	67	"							U
bis(2-chloroisopropyl)ether	ND	67	"							U
2-methylphenol	ND	67	"							U
hexachloroethane	ND	67	"							U
N-Nitrosodi-n-propylamine	ND	67	"							U
3 & 4-methylphenol	ND	130	"							U
nitrobenzene	ND	67	"							U
isophorone	ND	67	"							U
2-nitrophenol	ND	130	"							U
2,4-dimethylphenol	ND	130	"							U
Bis(2-chloroethoxy)methane	ND	67	"							U
benzoic acid	ND	330	"							U
2,4-dichlorophenol	ND	130	"							U
1,2,4-trichlorobenzene	ND	67	"							U
naphthalene	ND	67	"							U
4-chloroaniline	ND	67	"							U
hexachlorobutadiene	ND	67	"							U
4-chloro-3-methylphenol	ND	130	"							U
2-methylnaphthalene	ND	67	"							U
hexachlorocyclopentadiene	ND	130	"							U
2,4,6-trichlorophenol	ND	130	"							U
2,4,5-trichlorophenol	ND	67	"							U
2-chloronaphthalene	ND	67	"							U
2-nitroaniline	ND	67	"							U
acenaphthylene	ND	67	"							U
Dimethyl phthalate	ND	67	"							U
2,6-dinitrotoluene	ND	67	"							U
acenaphthene	ND	67	"							U
3-nitroaniline	ND	67	"							U
2,4-dinitrophenol	ND	130	"							U

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Blank (AE81618-BLK1)**

Prepared: 05/16/08 Analyzed: 05/19/08

dibenzofuran	ND	67	ug/kg wet							U
2,4-dinitrotoluene	ND	67	"							U
4-nitrophenol	ND	130	"							U
fluorene	ND	67	"							U
4-Chlorophenyl phenyl ether	ND	67	"							U
Diethyl phthalate	ND	67	"							U
4-nitroaniline	ND	67	"							U
4,6-Dinitro-2-methylphenol	ND	130	"							U
n-nitrosodiphenylamine	ND	67	"							U
4-bromophenylphenylether	ND	67	"							U
hexachlorobenzene	ND	67	"							U
pentachlorophenol	ND	130	"							U
phenanthrene	ND	67	"							U
anthracene	ND	67	"							U
carbazole	ND	67	"							U
Di-n-butyl phthalate	ND	67	"							U
benzidine	ND	330	"							U
fluoranthene	ND	67	"							U
3,3'-Dichlorobenzidine	ND	67	"							U
pyrene	ND	67	"							U
Butyl benzyl phthalate	ND	67	"							U
Benzo (a) anthracene	ND	67	"							U
chrysene	ND	67	"							U
bis(2-ethylhexyl)phthalate	ND	67	"							U
Di-n-octyl phthalate	ND	67	"							U
Benzo (b) fluoranthene	ND	67	"							U
Benzo (k) fluoranthene	ND	67	"							U
Benzo (a) pyrene	ND	67	"							U
Indeno (1,2,3-cd) pyrene	ND	67	"							U
Dibenz (a,h) anthracene	ND	67	"							U
Benzo (g,h,i) perylene	ND	67	"							U
Surrogate: 2-Fluorophenol	3460		"	6670		51.9	43-104			
Surrogate: Phenol-d6	4540		"	6670		68.1	52-109			
Surrogate: Nitrobenzene-d5	1440		"	3330		43.3	52-111			L
Surrogate: 2-Fluorobiphenyl	1570		"	3330		47.2	60-111			L
Surrogate: 2,4,6-Tribromophenol	4960		"	6670		74.3	46-130			
Surrogate: Terphenyl-d14	2770		"	3330		83.0	36-139			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS1)**

Prepared: 05/16/08 Analyzed: 05/19/08

N-Nitrosodimethylamine	1300	67	ug/kg wet	1670		78.0	37-120			
bis(2-chloroethyl)ether	1240	67	"	1670		74.4	42-116			
Aniline	985	67	"	1670		59.1	50-130			
phenol	1330	130	"	1670		80.0	38-131			
2-chlorophenol	1320	130	"	1670		79.4	53-114			
1,3-dichlorobenzene	1240	67	"	1670		74.3	46-106			
1,4-dichlorobenzene	1250	67	"	1670		74.9	49-106			
1,2-dichlorobenzene	1270	67	"	1670		76.2	48-109			
benzyl alcohol	1380	67	"	1670		82.6	48-109			
bis(2-chloroisopropyl)ether	1290	67	"	1670		77.3	44-124			
2-methylphenol	1470	67	"	1670		88.0	54-116			
hexachloroethane	1280	67	"	1670		76.6	42-117			
N-Nitrosodi-n-propylamine	1480	67	"	1670		89.1	44-124			
3 & 4-methylphenol	1500	130	"	1670		89.9	49-118			
nitrobenzene	1370	67	"	1670		82.0	47-115			
isophorone	1590	67	"	1670		95.2	57-116			
2-nitrophenol	1430	130	"	1670		85.6	53-109			
2,4-dimethylphenol	1660	130	"	1670		99.7	52-127			
Bis(2-chloroethoxy)methane	1550	67	"	1670		93.1	54-120			
benzoic acid	1410	330	"	1670		84.4	23-130			
2,4-dichlorophenol	1690	130	"	1670		101	52-116			
1,2,4-trichlorobenzene	1440	67	"	1670		86.5	50-107			
naphthalene	1450	67	"	1670		87.0	55-114			
4-chloroaniline	1090	67	"	1670		65.2	32-110			
hexachlorobutadiene	1580	67	"	1670		94.9	51-119			
4-chloro-3-methylphenol	1790	130	"	1670		108	57-125			
2-methylnaphthalene	1670	67	"	1670		100	54-115			
hexachlorocyclopentadiene	950	130	"	1670		57.0	42-135			
2,4,6-trichlorophenol	1680	130	"	1670		101	54-122			
2,4,5-trichlorophenol	1760	67	"	1670		105	56-119			
2-chloronaphthalene	1600	67	"	1670		95.9	56-114			
2-nitroaniline	1610	67	"	1670		96.5	56-125			
acenaphthylene	1710	67	"	1670		103	60-122			
Dimethyl phthalate	1690	67	"	1670		102	58-113			
2,6-dinitrotoluene	1810	67	"	1670		109	60-122			
acenaphthene	1710	67	"	1670		102	60-117			
3-nitroaniline	1220	67	"	1670		73.3	43-103			
2,4-dinitrophenol	1420	130	"	1670		85.3	47-137			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Auron  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81618 - EPA 3550B</b>										
<b>LCS (AE81618-BS1)</b>										
					Prepared: 05/16/08 Analyzed: 05/19/08					
dibenzofuran	1730	67	ug/kg wet	1670		104	66-112			
2,4-dinitrotoluene	1780	67	"	1670		107	63-116			
4-nitrophenol	1380	130	"	1670		82.6	23-134			
fluorene	1810	67	"	1670		108	67-118			
4-Chlorophenyl phenyl ether	1700	67	"	1670		102	55-116			
Diethyl phthalate	1680	67	"	1670		101	56-125			
4-nitroaniline	1430	67	"	1670		85.9	48-111			
4,6-Dinitro-2-methylphenol	1590	130	"	1670		95.1	70-138			
n-nitrosodiphenylamine	1620	67	"	1670		97.1	56-121			
4-bromophenylphenylether	1490	67	"	1670		89.5	50-106			
hexachlorobenzene	1660	67	"	1670		99.4	56-119			
pentachlorophenol	1490	130	"	1670		89.5	59-148			
phenanthrene	1790	67	"	1670		107	68-115			
anthracene	1780	67	"	1670		107	64-118			
carbazole	1650	67	"	1670		99.0	55-117			
Di-n-butyl phthalate	1660	67	"	1670		99.9	57-124			
benzidine	ND	330	"	1670			0-78			U
fluoranthene	1830	67	"	1670		110	63-117			
3,3'-Dichlorobenzidine	1140	67	"	1670		68.6	38-102			
pyrene	1720	67	"	1670		103	58-117			
Butyl benzyl phthalate	1650	67	"	1670		98.8	56-128			
Benzo (a) anthracene	1880	67	"	1670		113	63-113			
chrysene	1860	67	"	1670		112	64-116			
bis(2-ethylhexyl)phthalate	1740	67	"	1670		105	55-136			
Di-n-octyl phthalate	1710	67	"	1670		102	48-131			
Benzo (b) fluoranthene	1820	67	"	1670		109	54-113			
Benzo (k) fluoranthene	1790	67	"	1670		108	61-120			
Benzo (a) pyrene	1810	67	"	1670		109	59-114			
Indeno (1,2,3-cd) pyrene	2100	67	"	1670		126	61-133			
Dibenz (a,h) anthracene	1980	67	"	1670		119	61-131			
Benzo (g,h,i) perylene	1850	67	"	1670		111	53-135			
<i>Surrogate: 2-Fluorophenol</i>	<i>5030</i>		"	<i>6670</i>		<i>75.5</i>	<i>43-104</i>			
<i>Surrogate: Phenol-d6</i>	<i>5630</i>		"	<i>6670</i>		<i>84.4</i>	<i>52-109</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2350</i>		"	<i>3330</i>		<i>70.6</i>	<i>52-111</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>2740</i>		"	<i>3330</i>		<i>82.3</i>	<i>60-111</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>5660</i>		"	<i>6670</i>		<i>85.0</i>	<i>46-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>2910</i>		"	<i>3330</i>		<i>87.2</i>	<i>36-139</i>			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Auron  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatle Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS2)**

Prepared: 05/16/08 Analyzed: 05/19/08

N-Nitrosodimethylamine	1530	67	ug/kg wet	1670		92.0	37-120			
bis(2-chloroethyl)ether	1430	67	"	1670		85.6	42-116			
Aniline	1320	67	"	1670		79.3	50-130			
phenol	1450	130	"	1670		87.3	38-131			
2-chlorophenol	1490	130	"	1670		89.3	53-114			
1,3-dichlorobenzene	1460	67	"	1670		87.3	46-106			
1,4-dichlorobenzene	1460	67	"	1670		87.4	49-106			
1,2-dichlorobenzene	1470	67	"	1670		88.1	48-109			
benzyl alcohol	1470	67	"	1670		88.0	48-109			
bis(2-chloroisopropyl)ether	1470	67	"	1670		87.9	44-124			
2-methylphenol	1570	67	"	1670		94.0	54-116			
hexachloroethane	1470	67	"	1670		88.3	42-117			
N-Nitrosodi-n-propylamine	1540	67	"	1670		92.2	44-124			
3 & 4-methylphenol	1550	130	"	1670		92.8	49-118			
nitrobenzene	1520	67	"	1670		90.9	47-115			
isophorone	1580	67	"	1670		95.1	57-116			
2-nitrophenol	1570	130	"	1670		94.1	53-109			
2,4-dimethylphenol	1730	130	"	1670		104	52-127			
Bis(2-chloroethoxy)methane	1640	67	"	1670		98.7	54-120			
benzoic acid	1360	330	"	1670		81.3	23-130			
2,4-dichlorophenol	1710	130	"	1670		103	52-116			
1,2,4-trichlorobenzene	1610	67	"	1670		96.7	50-107			
naphthalene	1600	67	"	1670		95.7	55-114			
4-chloroaniline	1410	67	"	1670		84.4	32-110			
hexachlorobutadiene	1820	67	"	1670		109	51-119			
4-chloro-3-methylphenol	1720	130	"	1670		103	57-125			
2-methylnaphthalene	1730	67	"	1670		104	54-115			
hexachlorocyclopentadiene	1000	130	"	1670		60.0	42-135			
2,4,6-trichlorophenol	1600	130	"	1670		95.7	54-122			
2,4,5-trichlorophenol	1660	67	"	1670		99.4	56-119			
2-chloronaphthalene	1600	67	"	1670		95.7	56-114			
2-nitroaniline	1550	67	"	1670		93.2	56-125			
acenaphthylene	1670	67	"	1670		100	60-122			
Dimethyl phthalate	1600	67	"	1670		95.9	58-113			
2,6-dinitrotoluene	1690	67	"	1670		101	60-122			
acenaphthene	1620	67	"	1670		97.3	60-117			
3-nitroaniline	1320	67	"	1670		79.3	43-103			
2,4-dinitrophenol	1400	130	"	1670		83.7	47-137			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**LCS (AE81618-BS2)**

Prepared: 05/16/08 Analyzed: 05/19/08

dibenzofuran	1630	67	ug/kg wet	1670		97.7	66-112			
2,4-dinitrotoluene	1680	67	"	1670		101	63-116			
4-nitrophenol	1310	130	"	1670		78.6	23-134			
fluorene	1680	67	"	1670		101	67-118			
4-Chlorophenyl phenyl ether	1610	67	"	1670		96.6	55-116			
Diethyl phthalate	1570	67	"	1670		94.3	56-125			
4-nitroaniline	1510	67	"	1670		90.5	48-111			
4,6-Dinitro-2-methylphenol	1590	130	"	1670		95.5	70-138			
n-nitrosodiphenylamine	1550	67	"	1670		92.8	56-121			
4-bromophenylphenylether	1430	67	"	1670		85.6	50-106			
hexachlorobenzene	1570	67	"	1670		93.9	56-119			
pentachlorophenol	1440	130	"	1670		86.5	59-148			
phenanthrene	1690	67	"	1670		101	68-115			
anthracene	1710	67	"	1670		102	64-118			
carbazole	1570	67	"	1670		94.0	55-117			
Di-n-butyl phthalate	1570	67	"	1670		94.5	57-124			
benzidine	62.3	330	"	1670		3.74	0-78			
fluoranthene	1720	67	"	1670		103	63-117			
3,3'-Dichlorobenzidine	1420	67	"	1670		85.1	38-102			
pyrene	1600	67	"	1670		96.3	58-117			
Butyl benzyl phthalate	1530	67	"	1670		91.8	56-128			
Benzo (a) anthracene	1760	67	"	1670		105	63-113			
chrysene	1730	67	"	1670		104	64-116			
bis(2-ethylhexyl)phthalate	1600	67	"	1670		95.7	55-136			
Di-n-octyl phthalate	1570	67	"	1670		94.2	48-131			
Benzo (b) fluoranthene	1660	67	"	1670		99.4	54-113			
Benzo (k) fluoranthene	1650	67	"	1670		98.8	61-120			
Benzo (a) pyrene	1700	67	"	1670		102	59-114			
Indeno (1,2,3-cd) pyrene	1910	67	"	1670		115	61-133			
Dibenz (a,h) anthracene	1800	67	"	1670		108	61-131			
Benzo (g,h,i) perylene	1610	67	"	1670		96.4	53-135			
Surrogate: 2-Fluorophenol	3490		"	6670		52.4	43-104			
Surrogate: Phenol-d6	5350		"	6670		80.2	52-109			
Surrogate: Nitrobenzene-d5	2380		"	3330		71.4	52-111			
Surrogate: 2-Fluorobiphenyl	2700		"	3330		80.9	60-111			
Surrogate: 2,4,6-Tribromophenol	5600		"	6670		83.9	46-130			
Surrogate: Terphenyl-d14	2780		"	3330		83.3	36-139			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Matrix Spike (AE81618-MS1)** Source: 8E15010-04 Prepared: 05/16/08 Analyzed: 05/20/08

N-Nitrosodimethylamine	4950	199	ug/kg dry	6000	0.0	82.5	30-112			
bis(2-chloroethyl)ether	4780	199	"	6000	0.0	79.7	44-120			
Aniline	4130	199	"	6000	0.0	68.8	40-140			
phenol	5030	387	"	6000	0.0	83.8	35-126			
2-chlorophenol	5180	387	"	6000	0.0	86.3	48-115			
1,3-dichlorobenzene	4790	199	"	6000	0.0	79.9	49-109			
1,4-dichlorobenzene	4850	199	"	6000	0.0	80.8	47-112			
1,2-dichlorobenzene	4910	199	"	6000	0.0	81.8	50-110			
benzyl alcohol	4850	199	"	6000	0.0	80.8	50-109			
bis(2-chloroisopropyl)ether	4870	199	"	6000	0.0	81.1	53-120			
2-methylphenol	5380	199	"	6000	0.0	89.7	52-121			
hexachloroethane	4870	199	"	6000	0.0	81.2	46-106			
N-Nitrosodi-n-propylamine	5200	199	"	6000	0.0	86.6	57-113			
3 & 4-methylphenol	5280	387	"	6000	0.0	88.0	62-142			
nitrobenzene	5180	199	"	6000	0.0	86.3	41-118			
isophorone	5390	199	"	6000	0.0	89.8	57-118			
2-nitrophenol	5400	387	"	6000	0.0	90.0	53-114			
2,4-dimethylphenol	5660	387	"	6000	0.0	94.3	41-136			
Bis(2-chloroethoxy)methane	5630	199	"	6000	0.0	93.8	53-122			
benzoic acid	4670	982	"	6000	0.0	77.8	10-138			
2,4-dichlorophenol	6000	387	"	6000	0.0	100	49-123			
1,2,4-trichlorobenzene	5590	199	"	6000	0.0	93.1	43-120			
naphthalene	5530	199	"	6000	0.0	92.1	49-119			
4-chloroaniline	3190	199	"	6000	0.0	53.2	49-123			
hexachlorobutadiene	6140	199	"	6000	0.0	102	38-138			
4-chloro-3-methylphenol	5850	387	"	6000	0.0	97.5	63-118			
2-methylnaphthalene	5430	199	"	6000	0.0	90.4	37-131			
hexachlorocyclopentadiene	3950	387	"	6000	0.0	65.7	10-141			
2,4,6-trichlorophenol	5670	387	"	6000	0.0	94.5	55-124			
2,4,5-trichlorophenol	5640	199	"	6000	0.0	94.0	49-127			
2-chloronaphthalene	5490	199	"	6000	0.0	91.5	55-121			
2-nitroaniline	5070	199	"	6000	0.0	84.5	69-120			
acenaphthylene	5750	199	"	6000	0.0	95.8	68-124			
Dimethyl phthalate	5500	199	"	6000	0.0	91.7	60-126			
2,6-dinitrotoluene	5880	199	"	6000	0.0	98.0	66-126			
acenaphthene	5660	199	"	6000	0.0	94.3	60-127			
3-nitroaniline	3900	199	"	6000	0.0	64.9	67-125			QM-01
2,4-dinitrophenol	5700	387	"	6000	0.0	95.0	10-174			

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk  
Reported: 05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Matrix Spike (AE81618-MS1) Source: 8E15010-04 Prepared: 05/16/08 Analyzed: 05/20/08**

dibenzofuran	5720	199	ug/kg dry	6000	0.0	95.4	62-124			
2,4-dinitrotoluene	5760	199	"	6000	0.0	95.9	67-126			
4-nitrophenol	4230	387	"	6000	0.0	70.6	25-132			
fluorene	5920	199	"	6000	0.0	98.7	64-121			
4-Chlorophenyl phenyl ether	5670	199	"	6000	0.0	94.5	58-125			
Diethyl phthalate	5430	199	"	6000	0.0	90.4	56-130			
4-nitroaniline	5080	199	"	6000	0.0	84.7	62-128			
4,6-Dinitro-2-methylphenol	6020	387	"	6000	0.0	100	10-196			
n-nitrosodiphenylamine	5270	199	"	6000	0.0	87.7	49-146			
4-bromophenylphenylether	4890	199	"	6000	0.0	81.4	53-118			
hexachlorobenzene	5370	199	"	6000	0.0	89.5	59-129			
pentachlorophenol	4930	387	"	6000	0.0	82.1	12-144			
phenanthrene	5810	199	"	6000	0.0	96.9	56-136			
anthracene	5740	199	"	6000	0.0	95.6	67-127			
carbazole	5540	199	"	6000	0.0	92.3	68-122			
Di-n-butyl phthalate	5340	199	"	6000	0.0	89.0	66-129			
benzidine	445	982	"	6000	0.0	7.42	5-47			
fluoranthene	5930	199	"	6000	0.0	98.8	65-124			
3,3'-Dichlorobenzidine	4140	199	"	6000	0.0	69.0	27-128			
pyrene	5650	199	"	6000	0.0	94.1	64-140			
Butyl benzyl phthalate	5350	199	"	6000	0.0	89.1	65-141			
Benzo (a) anthracene	6100	199	"	6000	0.0	102	68-120			
chrysene	6070	199	"	6000	0.0	101	59-136			
bis(2-ethylhexyl)phthalate	5780	199	"	6000	534	87.5	64-138			
Di-n-octyl phthalate	5560	199	"	6000	0.0	92.6	49-170			
Benzo (b) fluoranthene	5570	199	"	6000	0.0	92.8	59-134			
Benzo (k) fluoranthene	6120	199	"	6000	0.0	102	59-130			
Benzo (a) pyrene	5910	199	"	6000	0.0	98.4	69-121			
Indeno (1,2,3-cd) pyrene	7160	199	"	6000	0.0	119	36-138			
Dibenz (a,h) anthracene	6740	199	"	6000	0.0	112	46-134			
Benzo (g,h,i) perylene	6330	199	"	6000	0.0	106	28-142			
<i>Surrogate: 2-Fluorophenol</i>	<i>19600</i>		<i>"</i>	<i>24000</i>		<i>81.5</i>	<i>43-104</i>			
<i>Surrogate: Phenol-d6</i>	<i>20800</i>		<i>"</i>	<i>24000</i>		<i>86.6</i>	<i>52-109</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>8710</i>		<i>"</i>	<i>12000</i>		<i>72.6</i>	<i>52-111</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>9140</i>		<i>"</i>	<i>12000</i>		<i>76.1</i>	<i>60-111</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>18300</i>		<i>"</i>	<i>24000</i>		<i>76.4</i>	<i>46-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>9250</i>		<i>"</i>	<i>12000</i>		<i>77.0</i>	<i>36-139</i>			

Waste Stream Technology Inc.

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URS Corporation Group Consultants  
77 Goodell Street  
Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81618 - EPA 3550B</b>										
<b>Matrix Spike Dup (AE81618-MSD1)</b>	<b>Source: 8E15010-04</b>			<b>Prepared: 05/16/08</b>		<b>Analyzed: 05/20/08</b>				
N-Nitrosodimethylamine	5180	196	ug/kg dry	5900	0.0	87.9	30-112	4.52	35	
bis(2-chloroethyl)ether	4940	196	"	5900	0.0	83.7	44-120	3.15	35	
Aniline	4040	196	"	5900	0.0	68.6	40-140	2.09	35	
phenol	4910	380	"	5900	0.0	83.3	35-126	2.34	35	
2-chlorophenol	5230	380	"	5900	0.0	88.8	48-115	1.02	35	
1,3-dichlorobenzene	4960	196	"	5900	0.0	84.1	49-109	3.38	35	
1,4-dichlorobenzene	5020	196	"	5900	0.0	85.2	47-112	3.53	35	
1,2-dichlorobenzene	5140	196	"	5900	0.0	87.1	50-110	4.55	35	
benzyl alcohol	4980	196	"	5900	0.0	84.5	50-109	2.71	35	
bis(2-chloroisopropyl)ether	5040	196	"	5900	0.0	85.4	53-120	3.39	35	
2-methylphenol	5380	196	"	5900	0.0	91.3	52-121	0.00158	35	
hexachloroethane	5080	196	"	5900	0.0	86.2	46-106	4.23	35	
N-Nitrosodi-n-propylamine	5230	196	"	5900	0.0	88.7	57-113	0.626	35	
3 & 4-methylphenol	5220	380	"	5900	0.0	88.6	62-142	1.16	35	
nitrobenzene	5330	196	"	5900	0.0	90.4	41-118	2.78	35	
isophorone	5380	196	"	5900	0.0	91.2	57-118	0.224	35	
2-nitrophenol	5490	380	"	5900	0.0	93.1	53-114	1.62	35	
2,4-dimethylphenol	5600	380	"	5900	0.0	95.0	41-136	0.967	35	
Bis(2-chloroethoxy)methane	5670	196	"	5900	0.0	96.2	53-122	0.735	35	
benzoic acid	4630	965	"	5900	0.0	78.4	10-138	0.899	35	
2,4-dichlorophenol	5980	380	"	5900	0.0	101	49-123	0.361	35	
1,2,4-trichlorobenzene	5700	196	"	5900	0.0	96.7	43-120	1.94	35	
naphthalene	5600	196	"	5900	0.0	95.0	49-119	1.35	35	
4-chloroaniline	3350	196	"	5900	0.0	56.8	49-123	4.78	35	
hexachlorobutadiene	6430	196	"	5900	0.0	109	38-138	4.59	35	
4-chloro-3-methylphenol	5970	380	"	5900	0.0	101	63-118	1.99	35	
2-methylnaphthalene	5470	196	"	5900	0.0	92.7	37-131	0.742	35	
hexachlorocyclopentadiene	3790	380	"	5900	0.0	64.3	10-141	3.92	35	
2,4,6-trichlorophenol	5620	380	"	5900	0.0	95.3	55-124	0.969	35	
2,4,5-trichlorophenol	5470	196	"	5900	0.0	92.8	49-127	3.05	35	
2-chloronaphthalene	5420	196	"	5900	0.0	91.9	55-121	1.33	35	
2-nitroaniline	5190	196	"	5900	0.0	88.1	69-120	2.40	35	
acenaphthylene	5710	196	"	5900	0.0	96.9	68-124	0.670	35	
Dimethyl phthalate	5500	196	"	5900	0.0	93.3	60-126	0.00307	35	
2,6-dinitrotoluene	5860	196	"	5900	0.0	99.3	66-126	0.412	35	
acenaphthene	5570	196	"	5900	0.0	94.5	60-127	1.60	35	
3-nitroaniline	3800	196	"	5900	0.0	64.4	67-125	2.51	35	QM-01
2,4-dinitrophenol	5520	380	"	5900	0.0	93.6	10-174	3.28	35	

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Buffalo NY, 14203

Project: DOT Projects  
Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
Project Manager: George Kisluk

Reported:  
05/28/08 15:11

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control  
Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81618 - EPA 3550B**

**Matrix Spike Dup (AE81618-MSD1)**

Source: 8E15010-04

Prepared: 05/16/08

Analyzed: 05/20/08

dibenzofuran	5650	196	ug/kg dry	5900	0.0	95.9	62-124	1.23	35	
2,4-dinitrotoluene	5790	196	"	5900	0.0	98.2	67-126	0.538	35	
4-nitrophenol	4390	380	"	5900	0.0	74.5	25-132	3.64	35	
fluorene	5850	196	"	5900	0.0	99.2	64-121	1.22	35	
4-Chlorophenyl phenyl ether	5580	196	"	5900	0.0	94.7	58-125	1.60	35	
Diethyl phthalate	5380	196	"	5900	0.0	91.2	56-130	0.889	35	
4-nitroaniline	5060	196	"	5900	0.0	85.9	62-128	0.410	35	
4,6-Dinitro-2-methylphenol	5880	380	"	5900	0.0	99.7	10-196	2.41	35	
n-nitrosodiphenylamine	5220	196	"	5900	0.0	88.6	49-146	0.840	35	
4-bromophenylphenylether	4860	196	"	5900	0.0	82.3	53-118	0.622	35	
hexachlorobenzene	5350	196	"	5900	0.0	90.7	59-129	0.394	35	
pentachlorophenol	4700	380	"	5900	0.0	79.7	12-144	4.71	35	
phenanthrene	5800	196	"	5900	0.0	98.4	56-136	0.193	35	
anthracene	5690	196	"	5900	0.0	96.5	67-127	0.791	35	
carbazole	5460	196	"	5900	0.0	92.6	68-122	1.49	35	
Di-n-butyl phthalate	5310	196	"	5900	0.0	90.0	66-129	0.585	35	
benzidine	310	965	"	5900	0.0	5.26	5-47	35.8	35	#
fluoranthene	5900	196	"	5900	0.0	100	65-124	0.443	35	
3,3'-Dichlorobenzidine	4210	196	"	5900	0.0	71.4	27-128	1.65	35	
pyrene	5540	196	"	5900	0.0	94.0	64-140	1.83	35	
Butyl benzyl phthalate	5250	196	"	5900	0.0	89.0	65-141	1.86	35	
Benzo (a) anthracene	6030	196	"	5900	0.0	102	68-120	1.10	35	
chrysene	5960	196	"	5900	0.0	101	59-136	1.75	35	
bis(2-ethylhexyl)phthalate	5570	196	"	5900	534	85.5	64-138	3.68	35	
Di-n-octyl phthalate	5490	196	"	5900	0.0	93.1	49-170	1.21	35	
Benzo (b) fluoranthene	5850	196	"	5900	0.0	99.2	59-134	4.90	35	
Benzo (k) fluoranthene	5720	196	"	5900	0.0	97.0	59-130	6.70	35	
Benzo (a) pyrene	5900	196	"	5900	0.0	100	69-121	0.0777	35	
Indeno (1,2,3-cd) pyrene	7000	196	"	5900	0.0	119	36-138	2.24	35	
Dibenz (a,h) anthracene	6600	196	"	5900	0.0	112	46-134	2.11	35	
Benzo (g,h,i) perylene	6140	196	"	5900	0.0	104	28-142	3.11	35	
<i>Surrogate: 2-Fluorophenol</i>	<i>20200</i>		<i>"</i>	<i>23600</i>		<i>85.5</i>	<i>43-104</i>			
<i>Surrogate: Phenol-d6</i>	<i>21500</i>		<i>"</i>	<i>23600</i>		<i>91.3</i>	<i>52-109</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>9150</i>		<i>"</i>	<i>11800</i>		<i>77.6</i>	<i>52-111</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>9290</i>		<i>"</i>	<i>11800</i>		<i>78.7</i>	<i>60-111</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>18400</i>		<i>"</i>	<i>23600</i>		<i>77.9</i>	<i>46-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>9280</i>		<i>"</i>	<i>11800</i>		<i>78.7</i>	<i>36-139</i>			

Waste Stream Technology Inc.

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 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE82107 - EPA 5030 TCLP MS**

**Blank (AE82107-BLK1)**

Prepared & Analyzed: 05/21/08

vinyl chloride	ND	10	ug/l							U
1,1-dichloroethene	ND	10	"							U
2-butanone	ND	100	"							U
chloroform	ND	10	"							U
carbon tetrachloride	ND	10	"							U
benzene	ND	10	"							U
1,2-dichloroethane	ND	10	"							U
trichloroethene	ND	10	"							U
tetrachloroethene	ND	10	"							U
chlorobenzene	ND	10	"							U
1,4-dichlorobenzene	ND	10	"							U

<i>Surrogate: Dibromofluoromethane</i>	30.8		ng/ml	30.0		103	76-106			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	31.5		"	30.0		105	87-117			
<i>Surrogate: Toluene-d8</i>	26.9		"	30.0		89.7	85-106			
<i>Surrogate: Bromofluorobenzene</i>	28.1		"	30.0		93.8	87-118			

**LCS (AE82107-BS1)**

Prepared & Analyzed: 05/21/08

vinyl chloride	184	10	ug/l	200		91.8	65-115			
1,1-dichloroethene	190	10	"	200		95.2	69-109			
2-butanone	185	100	"	200		92.6	53-110			
chloroform	192	10	"	200		96.0	87-113			
carbon tetrachloride	204	10	"	200		102	71-121			
benzene	198	10	"	200		98.9	87-110			
1,2-dichloroethane	199	10	"	200		99.6	91-123			
trichloroethene	195	10	"	200		97.5	85-112			
tetrachloroethene	193	10	"	200		96.6	85-119			
chlorobenzene	190	10	"	200		94.8	88-110			
1,4-dichlorobenzene	194	10	"	200		97.2	87-110			

<i>Surrogate: Dibromofluoromethane</i>	29.3		ng/ml	30.0		97.7	76-106			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	29.3		"	30.0		97.5	87-117			
<i>Surrogate: Toluene-d8</i>	27.2		"	30.0		90.8	85-106			
<i>Surrogate: Bromofluorobenzene</i>	27.6		"	30.0		91.9	87-118			

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Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control**  
**Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE82107 - EPA 5030 TCLP MS</b>										
<b>Matrix Spike (AE82107-MS1)</b>										
		<b>Source: 8E15008-01</b>			<b>Prepared &amp; Analyzed: 05/21/08</b>					
vinyl chloride	162	10	ug/l	200	0.0	81.1	54-125			
1,1-dichloroethene	177	10	"	200	0.0	88.6	70-123			
2-butanone	211	100	"	200	0.0	106	59-177			
chloroform	188	10	"	200	0.0	94.1	71-124			
carbon tetrachloride	189	10	"	200	0.0	94.6	67-114			
benzene	192	10	"	200	0.0	96.0	81-114			
1,2-dichloroethane	200	10	"	200	0.0	99.8	74-123			
trichloroethene	192	10	"	200	0.0	96.0	73-119			
tetrachloroethene	186	10	"	200	0.0	92.8	72-116			
chlorobenzene	182	10	"	200	0.0	90.8	81-113			
1,4-dichlorobenzene	182	10	"	200	0.0	91.2	77-115			
<i>Surrogate: Dibromofluoromethane</i>	29.2		ng/ml	30.0		97.4	76-106			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	31.6		"	30.0		105	87-117			
<i>Surrogate: Toluene-d8</i>	27.4		"	30.0		91.2	85-106			
<i>Surrogate: Bromofluorobenzene</i>	27.6		"	30.0		91.8	87-118			

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 Reported: 05/28/08 15:11

**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81607 - EPA 3510C Leachate**

**Blank (AE81607-BLK1)**

Prepared: 05/16/08 Analyzed: 05/19/08

pyridine	ND	8	ug/l							U
1,4-dichlorobenzene	ND	8	"							U
Total cresols (o,m & p)	ND	24	"							U
hexachloroethane	ND	8	"							U
nitrobenzene	ND	8	"							U
hexachlorobutadiene	ND	8	"							U
2,4,6-trichlorophenol	ND	16	"							U
2,4,5-trichlorophenol	ND	8	"							U
2,4-dinitrotoluene	ND	8	"							U
hexachlorobenzene	ND	8	"							U
pentachlorophenol	ND	16	"							U

<i>Surrogate: 2-Fluorophenol</i>	290		"	800		36.2	14-66			
<i>Surrogate: Phenol-d6</i>	231		"	800		28.9	7-43			
<i>Surrogate: Nitrobenzene-d5</i>	272		"	400		68.1	46-103			
<i>Surrogate: 2-Fluorobiphenyl</i>	278		"	400		69.6	50-105			
<i>Surrogate: 2,4,6-Tribromophenol</i>	535		"	800		66.9	44-120			
<i>Surrogate: Terphenyl-d14</i>	277		"	400		69.3	57-107			

**LCS (AE81607-BS1)**

Prepared: 05/16/08 Analyzed: 05/19/08

pyridine	44.4	8	ug/l	200		22.2	5-62			
1,4-dichlorobenzene	123	8	"	200		61.5	46-111			
Total cresols (o,m & p)	191	24	"	400		47.8	39-88			
hexachloroethane	136	8	"	200		68.0	40-113			
nitrobenzene	125	8	"	200		62.5	43-119			
hexachlorobutadiene	138	8	"	200		69.1	49-123			
2,4,6-trichlorophenol	143	16	"	200		71.5	58-113			
2,4,5-trichlorophenol	150	8	"	200		74.8	51-120			
2,4-dinitrotoluene	146	8	"	200		72.8	65-116			
hexachlorobenzene	147	8	"	200		73.4	62-122			
pentachlorophenol	177	16	"	200		88.6	66-145			

<i>Surrogate: 2-Fluorophenol</i>	264		"	800		33.0	14-66			
<i>Surrogate: Phenol-d6</i>	206		"	800		25.7	7-43			
<i>Surrogate: Nitrobenzene-d5</i>	231		"	400		57.9	46-103			
<i>Surrogate: 2-Fluorobiphenyl</i>	258		"	400		64.6	50-105			
<i>Surrogate: 2,4,6-Tribromophenol</i>	597		"	800		74.6	44-120			
<i>Surrogate: Terphenyl-d14</i>	254		"	400		63.4	57-107			

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 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Conventional Chemistry Parameters by EPA Methods - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch AE81621 - General Preparation**

Duplicate (AE81621-DUP1)

Source: 8E15008-02

Prepared & Analyzed: 05/16/08

pH	9.23	0.10	pH Units		9.23			0.00	20	
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URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk

Reported:  
 05/28/08 15:11

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch AE82114 - General Preparation</b>										
<b>Blank (AE82114-BLK1)</b>										
Prepared: 05/19/08 Analyzed: 05/21/08										
Reactive Sulfide	ND	40.0	mg/kg							U
<b>LCS (AE82114-BS1)</b>										
Prepared: 05/19/08 Analyzed: 05/21/08										
Reactive Sulfide	449	40.0	mg/kg	545		82.3	66-109			
<b>Batch AE82120 - General Preparation</b>										
<b>Blank (AE82120-BLK1)</b>										
Prepared: 05/19/08 Analyzed: 05/21/08										
Reactive Cyanide	ND	40.0	mg/kg							U
<b>LCS (AE82120-BS1)</b>										
Prepared: 05/19/08 Analyzed: 05/21/08										
Reactive Cyanide	79.1	40.0	mg/kg	849		9.32	7-12			



URS Corporation Group Consultants  
 77 Goodell Street  
 Buffalo NY, 14203

Project: DOT Projects  
 Project Number: 11174957.00000 RTE20A/RTE16/RTE78 East Aurora  
 Project Manager: George Kisluk  
 Reported: 05/28/08 15:11

**Gasoline Range Organics by EPA 8015B - Quality Control  
 Waste Stream Technology Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Notes
<b>Batch AE81906 - EPA 5030 Soil GC</b>									
<b>Blank (AE81906-BLK1)</b>					Prepared & Analyzed: 05/19/08				
Gasoline Range Organics	ND	31.2	mg/kg wet						U
Surrogate: Naphthalene-d8	4.34		"	5.00		86.8 51-137			
<b>LCS (AE81906-BS1)</b>					Prepared & Analyzed: 05/19/08				
Gasoline Range Organics	129	31.2	mg/kg wet	125	0.00	103 68-143			
Surrogate: Naphthalene-d8	4.90		"	5.00		98.0 51-137			
<b>Matrix Spike (AE81906-MS1)</b>					Source: 8E15008-02 Prepared & Analyzed: 05/19/08				
Gasoline Range Organics	157	28.8	mg/kg dry	142	0.00	111 60-140			
Surrogate: Naphthalene-d8	5.68		"	5.68		100 51-137			
<b>Matrix Spike Dup (AE81906-MSD1)</b>					Source: 8E15008-02 Prepared & Analyzed: 05/19/08				
Gasoline Range Organics	154	29.8	mg/kg dry	147	0.00	105 60-140	2.00	25	
Surrogate: Naphthalene-d8	5.86		"	5.88		99.8 51-137			

### Notes and Definitions

- U Analyte included in the analysis, but not detected
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference
- L L denotes analyte recovery is less than the lower quality control limit
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- # Denotes RPD is outside QC limits.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

8E15008

## CHAIN OF CUSTODY RECORD

PROJECT NO. 11174957.00060		SITE NAME NYS DOT RTE 20A RTE 16 & RTE 78 E. AUBURN		TESTS				<b>URS</b>						
SAMPLERS (PRINT/SIGNATURE) David CoField				202 glass	202 glass	16oz glass				LAB <u>Waste Streams</u>				
DELIVERY SERVICE: <u>URS</u>		AIRBILL NO.: <u>N/A</u>		BOTTLE TYPE AND PRESERVATIVE				COOLER <u>1</u> of <u>1</u>						
				STARS VCS	TCLP VCS	TCLP VCS	TCLP VCS	TCLP VCS	TCLP VCS	PAGE <u>1</u> of <u>1</u>				
LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	STARS VCS	TCLP VCS	TCLP VCS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD ID (IN #)
<del>BH-SL-7</del>	<del>5/14/08</del>	<del>0940</del>	<del>G</del>	<del>BH-SL-7</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-SL-6</del>		<del>1035</del>	<del>G</del>	<del>BH-SL-6</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-SL-5</del>		<del>1120</del>	<del>G</del>	<del>BH-SL-5</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-SL-4</del>		<del>1208</del>	<del>G</del>	<del>BH-SL-4</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
BH-SL-4, 5, 6, 7		1220	C	BH-SL-4, 5, 6, 7	SO	10	4	4	1		NI	23	6	-
<del>BH-SL-3</del>		<del>1340</del>	<del>G</del>	<del>BH-SL-3</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-SL-2</del>		<del>1415</del>	<del>G</del>	<del>BH-SL-2</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
<del>BH-SL-1</del>		<del>1515</del>	<del>G</del>	<del>BH-SL-1</del>	<del>SO</del>	<del>1</del>	<del>1</del>				<del>NI</del>	<del>0</del>	<del>6</del>	<del>-</del>
BH-SL-1, 2, 3		1525	C	BH-SL-1, 2, 3	SO	8	3	3	1		NI	23	6	-

60 4/24/08

60 4/24/08

<b>MATRIX CODES</b>	AA - AMBIENT AIR	SL - SLURRY	WG - GROUND WATER	W - LEACHATE	WO - OCEAN WATER	BH - HAZARDOUS LIQUID WASTE
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLUAT NGFREE PRODUCT ON GW TABLE
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WC - WATER FIELD OC	
<b>SAMPLE TYPE CODES</b>	TBP - TRIP BLANK	RBK - F.N.C. BLANK	NE - NORMAL ENVIRONMENTAL SAMPLE	* SEQUENTIAL NUMBER (PROV 1 TO 8; TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		
	SDA - MATRIX SPIKE DUPLICATE	TRP - FIELD REPLICATE	MS - MATRIX SPIKE			

RELINQUISHED BY (SIGNATURE) David CoField	DATE 5/14/08	TIME 0800	RECEIVED BY (SIGNATURE) George Kozluk	DATE 5/14/08	TIME 1330	SPECIAL INSTRUCTIONS SEND RESULTS TO GEORGE KOZLUK 1 WEEK T.A.T. (NOTE: waste streams will composite vials samples.)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	

Distribution: Original accompanies shipment, copy to coordinator field files

**ATTACHMENT 2**

**FIELD NOTES**

Village EAST AURORA

5/12/08

Weather: light rain  
 Temp: 63°  
 Truck rental

0645 - Departed office for site

0720 - Arrived on site

NYSDOT Hazardous Waste Assessment and Remediation Design. Additional soil and ground water sampling and analysis.

On-site Personnel	Affiliation	ON	OFF
DAVID COFIELD	URS	0720	1650
EARLE NEWMAN	URS	0700	1040
GREG MUSTREPPA	Watts	0720	1650
TOM WOELKE	Russo	0700	1635
FRANK GARBE	NYSDOT	0925	1200

NOTE: Fine Environmental Services, Inc. Calibrated the TVA-1000 prior to shipping. METHANE: 100 ppm (Instrument output 100ppm) - Isobutylene: 100ppm (Instrument output 100ppm).

0730 - Conducted a site walkover to mark out the boreholes and to identify utility mark-outs.

0805 - Russo Devel. began setting up traffic and safety devices along NY RTE 20A/Paine street.

0835 - Russo Devel. set up drill rig etc at BH-WL-1

0915 - Began SVS BH-WL-1

0945 - Completed SVS BH-WL-1

1000 - Began SVS BH-WL-2

1045 - Completed SVS BH-WL-2

Continued on Page \_\_\_\_\_

Read and Understood By

Paul Cofield 5/12/08

Signed

Date

Signed

Date

5/12/08

11749570000 Village of East Aurora

1056 - Begun Sys. BH-WL-3  
 1170 - Completed Sys BH-WL-3  
 1178 - Begun Sys BH-WL-4  
 1230 - Completed Sys BH-WL-4  
 1300 - Collected Composite Sample BH-WL-1, 2, 3  
 1415 - Begun Sys BH-WL-5  
 1500 - Completed Sys BH-WL-5  
 1510 - Russo Dred started to demobilize and back.  
 fill some of the bare hole. Russo Dred started breaking down traffic devices. Samples were looked over and will be from refrigerated until Tuesday morning drop off.  
 1530 - Departed off site at office  
 1716 - Arrived at the office. placed the TVA-1000 as charge for the night. The cylinders were refilled with hydrogen.

NOTE: Spoke to EARLE UZZIAT regarding the traffic devices being properly used for the type of traffic we need to address.  
 At approximately 1615 the NYSDOT stopped by the site and said that they will be at site to repair some road work. At that time they will be shutting down the west bound traffic. We asked the foreman (NYSDOT) if it would be okay to perform Sys Boring's BH-WL-1 to through BH-WL-09. They said it would be okay.  
 1815 - End of work day

Continued on Page

Read and Understood By

Signed

Date

*[Signature]*  
5/12/08

Signed

Date

PROJECT NYS DOT RTE 20A / RTE 16 / RT 18  
11174957.00000

5/12/08

SOIL VAPOR SURVEY DATA (water line)

BORE TIME Hole Point	DEPTH (Feet)	PID / FID BG.	PID ACT SUBSURF Hole/soil	FID ACT SUBSURF Hole/soil	Material Desc./Comments	
BH-0915 -1	0 - 4	0.9/0.0	0.9/0.4	0.6/0.6	0-2" Asphalt 2-6" concrete 6"-9" wet BRN silty sand and gravel 9"-4' BRN SATUR silty sand and gravel trace clay no stain	
*	0935	4-6'	0.9/0.0	0.3/0.3	0.7/0.9	4-6' BRN SATUR silty sand w/ gravel NO stains NO odor
BH-1015 WL-2	0 - 4'		7.1/0.8	1.9/1.4	0-3" Asphalt 3-8" concrete 8"-4' BRN sandy clay some gravel trace shale MINOR STAINS, NO odor	
*	1029	4'-6'	8.2/0.4	4.3/2.1	4'-6' DRK BRN wet silty sand trace gravel, trace shale no stain, no odor	
BH-1108 WL-3	0 - 4		10.9/1.9	7.1/6.9	0-4" Asphalt 4"-10" concrete 10"-3.5' Fill gravel silty sand, shale, clay 2.5"-4' BRN silty sand, trace gravel trace clay no stain no odor	
*	1130	4'-6'	12/10.1	6.9/4.2	4-6' BRN moist silty sand trace gravel no stain no odor	
BH-1198 WL-4	0 - 4		6.1/6.0	13/9.8	0-4" Asphalt 4"-10" concrete 10"- 3' Fill/Void 3'-4' BRN DAY-MOIST silty clay trace sand trace gravel no stain no odor	
*	1221	4-6	275/131	11.9/7.6	4-5' DRK GRAY DAY-MOIST clayee silt trace gravel trace shale MINOR BRN stains NO odor	
BH-1425 WL-5	0 - 4		119/94	12/10	0-4" Asphalt 4"-9" concrete 9"- 2.9' BRN/GRAY silty clay and gravel trace shale no stains no odor 2.8- 4.0' BRN silty sand trace gravel trace clay 4-5.3' DRK BRN wet silty sand trace gravel no stain no odor	
*	1440	4-6	71.1/102	12/6.1		

Continued on Page

Read and Understood By

*Paul Capile* 5/12/08  
Signed Date

Signed Date

5/12/08

Soil Sample DATA (water line)

sample Type: Composite

|| Location: BH-WL-1, BH-WL-2, BH-WL-3

|| ID: BH-WL-1, 2, 3 Sample Interval: (4'-6') ALL

|| Time: 1300

Material Desc.: (see soil vapor survey DATA)

Parameters: SVOCs + TCL VOCs P260, TCLP VOCs 1311/P260B, TCL  
SVOC, P270, PCB, POPs, TCLP SVOC, METALS, PCRA  
Ignit 1030, Corrosivity (pH) 90452, Reactivity ch 152. 7.3

sample Type: composite/(Grab)

|| Location: BH-WL-4

|| ID: BH-WL-4 Sample Interval: (4'-6')

|| Time: 1445

Material Desc.: (see soil vapor survey DATA)

Parameters: Same as above

sample Type: Composite/(Grab)

|| Location: BH-WL-5

|| ID: BH-WL-5 Sample Interval: (2'-4')

|| Time: 1445

Material Description: (see soil vapor survey DATA)

Parameters: Same as above

Continued on Page \_\_\_\_\_

Read and Understood By

Dan C. Field 5/12/08  
 Signed Date

Signed

Date



PROJECT NY SDT RTE 20A / RTE 16 / RTE 78  
 111.74957, 00000 / EAST AURORA

Continued From Page \_\_\_\_\_

5/13/08

weather: clear sunny  
 Temp: 69°

- 0709 - Departed office for site.
- 0800 - Arrived at the lab (waste streams)
- 0810 - Departed lab for site
- 0730 - Arrived on site

on site personnel	Affiliation	on	off
DAVID Coffield	URS	0730	1858
Greg Mistreppa	Watts	0700	1858
TOM WOOLFE	RUSCO	0700	1800
CASEY Miller	RUSCO	0700	1825
Frank Garbe	NYSDOT	0845	0910

NOTE: calibration TVA-100 on 5/13/08

- 0730 - Russo Devel. begun setting up traffic/safety devices. URS identified utilities and the SVS points
- 0915 (proposed). Russo carefully removed Road brick
- 0830 - Russo began setting up drill rig etc.
- 0950 - Begun SVS BH-WL-6 (thick concrete)
- 1045 - Completed SVS BH-WL-6
- 1055 - Begun SVS BH-WL-7
- 1159 - Completed SVS BH-WL-7
- 1208 - Begun SVS BH-WL-8
- 1280 - Completed SVS BH-WL-8
- 1305 - Begun SVS BH-WL-9 (thicker than normal concrete)
- 1458 completed SVS BH-WL-9
- 1515 - switched over to the east bound side of 20A and set up traffic devices.

Continued on Page \_\_\_\_\_

Read and Understood By

*David Coffield* 5/13/08  
 Signed \_\_\_\_\_ Date \_\_\_\_\_

Signed \_\_\_\_\_

Date \_\_\_\_\_

5/13/08

1535 - Begun SVS BH-SL-9

1630 - Completed SVS BH-SL-9

1705 - Begun SVS BH-SL-P

1725 - Completed SVS BH-SL-P

1730 - Russo began shut-down for the day.

1825 - Russo broke down the safety devices, best moved the cones to the shoulder for the night.

1850 - samples were packed on ice and will be refrigerated over night and delivered to Waste Streams Lab on ~~thru~~ Wednesday morning.

1858 - Departed off site for office.

Continued on Page \_\_\_\_\_

Read and Understood By

*Dan Copfield* 5/13/08

Signed

Date

Signed

Date

PROJECT NYSDOT RI-20A/RIE-16/RIE-78  
 1171957.00008 Village of East Aurora

Continued From Page \_\_\_\_\_

5/13/08

soil vapor survey DATA (water line)

Bore Hole Point	Time	Depth (feet)	PID/EID BG	PID ACT SUB SURF HOLE/soil	FID ACT SUB SURF HOLE/soil	Material Desc/ comments
BH-WL-6*	1010	0-4	100/00	479/290	11.9/16.9	100% recovery 0-4" Red Brick 4"-1' concrete 1'-3.5' void 3.5'-4' BRN dry-moist clayey silt, trace gravel trace shale no stain slight pet. odor.
	1035	4-6		94/131	16/10.1	100% recovery 4-6' DRK BRN sandy gravel, clayey MINOR stains slight pet odor
BH-WL-7*	1120	0-4		74/20.4	18/3.7	45% recovery 0-4" red brick 4"-12" concrete BRN moist silty sandy gravel trace clay minor stains slight pet odor
	1140	4-6		76/6.4	102/10.0	100% recovery DRK BRN DRY-MOIST silty sand, brnd gravel trace clay no odor MINOR stains (4-6')
BH-WL-8*	1215	0-4		3.9/2.7	8.1/6.5	60% recovery 0-4" red brick 4"-10" concreted 10"-silty sand and gravel trace clay minor stains no odor
	1245	4-6		3.6/1.2	151/7.5	55% recovery 4-5.5' DRY-MOIST BRN silty sandy clay trace gravel trace shale trace cobble stone minor BRN stains no odor. 5.5'-6' GRN moist silty sandy clay trace sand trace gravel no stain no odor.
BH-WL-9*	1430	0-4		2.6/2.4	221/191	60% recovery 0-4" RED BRICK 4"-11" concrete 11"-2' void 2'-3.5' TAN BRN moist silty sand and gravel trace cobble stone trace clay minor stains some pet. odor. 3.5'-4' BRN moist sandy silt and gravel trace clay no stain
	1450	4-6		1.7/1.7	2.9/6.4	100% recovery 4'-5' moist fill silty sand and gravel trace cobble stone

Read and Understood By  
 trace shale trace clay minor stains  
 no odor. 4'-6' BRN moist silty sand some  
 clay trace shale no stain no odor

*[Signature]*  
 Signed \_\_\_\_\_ Date 5/13/08

Signed \_\_\_\_\_ Date \_\_\_\_\_

11174957.0000 Village of EAST AURORA

5/13/08

soil sample DATA (water line)

sample Type: composite / (Grab)

|| Location: BH-WL-6

|| I.D.: BH-WL-6 Sample Interval: (3.5' - 4')

|| TIME: 1045

Material Desc.: (see soil vapor survey Data)

Parameters: STARS + TCL VOCs, TOTAL VOCs 13N / 2260B, TCL SVOC, P270, PCB, POP2, TCLP SVOCs, METALS, ACAA, Lead 1430, Corrosivity (ph) 9045, Reactivity Ch 7 Sec 7.3, Paint Filter, TPH

sample Type: composite / (Grab)

|| Location: BH-WL-7

|| I.D.: BH-WL-7 Sample Interval: (4" - 12')

|| TIME: 1155

Material Desc.: (see soil vapor survey Data)

Parameters: Same as above

sample Type: Composite / (Grab)

|| Location: BH-WL-8

|| I.D.: BH-WL-8 Sample Interval: (4' - 6')

|| TIME: 1258

Material Desc.: (see soil vapor survey Data)

Parameters: Same as above

sample Type: Composite / (Grab)

|| Location: BH-WL-9

|| I.D.: BH-WL-9 Sample Interval: (2' - 3.5')

|| TIME: 1510

Material Desc.: (see soil vapor survey Data)

Parameters: Same as above

Continued on Page

Read and Understood By

Dan Caputo 5/13/08

Signed

Date

Signed

Date

5/13/08

SOIL VAPOR SURVEY DATA (SEWER LINE)

Bore Hole Point	Time	Depth (Feet)	PID/FID BG	PID ACT SUB SURF Hole/soil	FID ACT SUB SURF Hole/soil	Material Desc./Comments
BH-SL-9	1600	0-4	0.0/0.0	20.1/11.9	12.9/116.1	50% recovery 0-4" Red Brick 4"-10" concrete 10"-3'2" void 3'2"-4' BRN/GRN moist silty sand trace clay some gravel MINOR STAINS. No odor
*	1617	4-6'		45.6/16.1	29.4/13.4	100% recovery 4-6 TAN/GRN moist silty clay, trace sand, trace gravel NO STAINS NO odor
BH-SL-8	1649	0-4		91/4.8	21/17.9	95% recovery 0-4" RED BRICK 4"-12" concrete 12"-2' void 2'-4' BRN/GRN moist sandy silt and gravel trace clay, trace shale NO STAIN NO odor
*	1710	4-6		24/10.4	16/4.6	100% recovery 4'-5.5' BRN moist sandy silt and gravel trace clay NO STAINS NO odor 5.5'-6' BRN moist silty sand and clay trace shale NO STAIN NO odor.

SOIL SAMPLE DATA (water line) cont

Sample Type: composite

|| LOCATION: BH-WL-4, BH-WL-5, BH-WL-6, BH-WL-7

|| TD: BH-WL-4, 5, 6, 7

|| Time: 1155

SAMPLE INTERVAL 0-6'

Material Desc. (See soil vapor survey DATA)

Parameters: same as above

Continued on Page

Read and Understood By

*Daniel C. [Signature]* 5/13/08

Signed

Date

Signed

Date

5/13/08

Soil Sample DATA (SEWER line)

Sample Type: Composite / (Grab)

|| Location: BH-SL-9

|| ID: BH-SL-9      Sample Interval: (4'-6')

|| Time: 16:20

Material Desc: (see soil vapor survey data)

Parameters: Same as above

Sample Type: Composite / (Grab)

|| Location: BH-SL-8

|| ID: BH-SL-8      Sample Interval: (2'-4')

|| Time: 17:15

Material Desc: (see soil vapor survey data)

Parameters: Same as above

Sample Type: composite

|| Location: BH-SL-8, BH-SL-9

|| ID: BH-SL-8, 9

|| Time: 17:20

Material Desc: (see soil vapor survey DATA)

Parameters: Same as above

Soil Sample DATA (water line)

Sample Type: Composite:

|| Location: BH-WL-8 &amp; BH-WL-9

|| ID: BH-WL-8, 9

|| Time: 15:20

MATERIAL DESC: (see soil vapor survey DATA)

PARAMETERS: same as above

Signed: *Paul C. [Signature]* 5/13/08

Signed

Date

Signed

Date

Continued on Page

PROJECT NYSDOT RTE 20A / RTE 16 / RTE 78  
11749570000

Continued From Page \_\_\_\_\_

5/14/08 weather: Cloudy / SUNNY  
 Temp.: 69°

0730 - Departed office for Waste Stream Lab  
 0800 - Dropped soil samples at waste stream  
 0820 - Departed lab for site  
 0845 - Arrived at site

on site personnel	Affiliation	ON	OFF
DAVID CoField Jr	URS	0845	1708
Greg Mastreppa	Watts	0700	1708
Tom Waelfe	Russo	0700	1600
CASEY Miller	Russo	0700	1630
Joe Russo	Russo	1300	1400

NOTE: URS calibrated T/A-1000 on 5/14/08

0700 - Russo Devel. began setting up traffic devices and identified utilities.  
 markers marked out proposed SVS points along the south side of 20A.

0745 - Russo began SVS BH-SL-7 (very thick and hard concrete)  
 0830 - Completed SVS BH-SL-7  
 0945 - began SVS BH-SL-6  
 1030 - Completed SVS BH-SL-6  
 1045 - began SVS BH-SL-5  
 1125 - Completed SVS BH-SL-5  
 1130 - began SVS BH-SL-4  
 1220 - Completed SVS BH-SL-4  
 1215 - began SVS BH-SL-3  
 1335 - Completed SVS BH-SL-3  
 1340 - began SVS BH-SL-2  
 1415 - Completed SVS BH-SL-2  
 1430 - began SVS BH-SL-1  
 1525 - Completed SVS BH-SL-1

Continued on Page \_\_\_\_\_

Read and Understood By

David CoField Jr 5/14/08  
 Signed Date

Signed Date

5/14/08

1530 - Spoke to EARLE NEWMAN and gave him an update work at the last bore hole as we speak.

1535 - Russo began demobilizing and decontaminating the equipment.

1600 - Russo began backfilling the bore holes with concrete. However, Russo will (if need be) repair the red bricks with new bricks.

1625 - WAS/Watts iced the sample and completed the chain of custody.

1700 - WAS/Watts completed the take-off and checked the bore holes for backfill. (OK)

1710 - Departed off site for office

Sample were refrigerated and delivered to the Lab on Thursday morning. Unload equipment and decont will be performed on Friday.

1800 - END OF WORK DAY

Continued on Page

Read and Understood By

*Paul Russo* 5/14/08

Signed

Date

Signed

Date



PROJECT NYS DOT RTE 20A / RTE 16 - RTE 78  
 11174957.0000 E. ANDORA

Continued From Page \_\_\_\_\_

5/14/08

Soil Vapor Survey DATA (SEWER LINE)

Bore Hole Point	Time	Depth (Feet)	PID/FID 06	PID ACT Sub Hole	FID ACT Sub Surface	Material Desc/Comments
BH-SL-7	0915	0-4	02/00	2210/72.1	6.9/28	35% recover 0-6" red brick 6"-1.8" concrete 1.8"-3' void 3'4" BRN <sup>moist</sup> clayey silt trace gravel trace sand minor stains no odor
*	0935	4'-6'		410/18.2	6.1/8.4	100% recovery 4'-5' full moist silty sand gravel, shale, cobbles 5'-6' redish BRN moist sandy silt and gravel trace clay trace lime stone no stains
BH-SL-6	1000	0-4		675/29.1	7.8/4.6	55% recovery 0-6" red brick 6"-1.6" concrete 1.6"-2.7" void 2.7"-4' BRN dry-moist red sandy silt trace gravel trace clay some stains no odor
*	1020	4-6		1.9/1.4	6.7/3.2	100% recovery 4-5.5 BRN/red moist silty sand and gravel trace clay some cobble stone some stains no odor
BH-SL-5	1045	0-4		465/19.5	12.1/6.4	90% recovery 0-3" asphalt 3"-9" red brick 9"-1.7" concrete 1.7"-2.5" void 2.5"-4' full silty sand and gravel some clay some cobble stone trace shale some stains slight odor (pet)
*	1115	4-6		145/15.6	12.9/8.1	75% recovery 4'-6' BRN silty clay trace gravel trace shale some cobble stone some stains no odor
BH-SL-4	1140	0-4		4.2/18.4	10.4/4.7	90% recovery 0-3" asphalt 3"-9" red brick 9"-1.6" concrete 1.6"-2.5" void 2.5"-4' BRN moist silty clay and sand trace gravel trace shale some stains no odor
*						

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Date \_\_\_\_\_

5/14/08

Soil Sample DATA (SEWER LINE)

Sample Type: Composite / (Grab)

Location: BH-SL-7

ID: BH-SL-7 Sample Interval: (4'-6')

Time: 0940

Material Desc: (See soil vapor survey DATA)

Parameters: STMS VOCs (82608) TCL, TCLP VOCs (131)(12600) TCLP SVOCs (8290) PCB (8082) TCLP SVOCs TCLP Metals, RCRA Ignt, 1030, Corrosivity (9045) Reactivity ch-7 7.3, Paint Filter, TPH.

Sample Type: Composite / (Grab)

Location: BH-SL-6

ID: BH-SL-6 Sample Interval: (2'-4')

Time: 1035

Material Desc: (See soil vapor survey data)

Parameters: Same as above

Sample Type: Composite / (Grab)

Location: BH-SL-5

ID: BH-SL-5 Sample Interval: (4'-6')

Time: 1120

Material Desc: (See soil vapor survey Data)

Parameter: Same as above

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Soil Sampling DATA (sewer line)

Sample Type: Composite / (Grab)

Location: BH-SL-4

ID: BH-SL-4 SAMPLE INTERVAL: (2.5'-4')

Time: 1200

Material Desc. (see soil vapor survey data)

Parameters: same as above

Sample Type: Composite

Location: BH-SL-4, BH-SL-5, BH-SL-6, BH-SL-7

ID: BH-SL-4, 5, 6, 7

Time: 1220

Material Desc. (see soil vapor survey data)

Parameters: same as above

Sample Type: Composite / (Grab)

Location: BH-SL-3

ID: BH-SL-3 SAMPLE INTERVAL: (4'-6')

Time: 1340

Material Desc.: (see soil vapor survey DATA)

Parameters: same as above

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Soil Sample Data (sewer line)

sample Type: Composite / (Grab)

Location: BH-SL-2

ID: BH-SL-2

Sample Interval: (3.2' - 4')

Time: 1415

Material Desc: (See SVS Data)

Parameters: Same as above

sample Type: Composite / (Grab)

Location: BH-SL-1

ID: BH-SL-1

Sample Interval: (2.5 - 4')

Time: 1515

Material Desc: (See SVS DATA)

Parameters: Same as above

sample Type: Composite

Location: BH-SL-1, BH-SL-2, BH-SL-3

ID: BH-SL-1, 2, 3

Time: 1525

Material Desc: (See SVS DATA)

Parameters: Same as above

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Soil VADP Survey DATA (sewer line) CONT

Bore Hole Point	Time	Depth (Feet)	PID FID BG	PID ACT D.S. SURF Hole/Soil	FID ACT SDB SURFACE Hole/Soil	Material/DASL/Comments
BH-SL-4	1150	4'-6"	0/0	9.6/16.4	8.0/2.1	100% recovery 4'-4.6' BKW moist silty sand and gravel trace shale, trace clay 4.6'-6.3' Benjamin silty sandy gravel and shale minor stains no odor
BH-SL-3	1305	0-4		10.4/2.4	12.1/2.3	REFUSAL AT 3 100% recovery 0-4" Asphalt 4"-10" red brick 10"-2' concrete 2'-4' fill BKW DRY moist sandy silt some gravel trace clay trace shale no stains no odor
*	1320	4-6		16.2/4.6	7.4/2.0	100% recovery 4.5-3' DRY BKW moist silty sand trace gravel some stains no odor 5.3'-6' DRY BKW moist silty sand (fine) trace clay minor stains no odor
BH-SL-2	1350	0-4		22.1/2.9	10.1/3.2	100% recovery 0-3" asphalt 3"-9" red brick 9"-1.5' concrete 1.5'-3.2' BKW moist sandy silt and gravel trace clay trace shale 3.2'-4.0' DRY BKW dry sandy silt trace clay some stain.
*	1405	4-6		4.2/1.0	7.5/1.9	100% recovery 4-5.5' DRY BKW moist silty clay trace gravel trace sand 5.5'-6' DRY BKW moist silty fine sand no stain no odor.

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SOIL VAPOR SURVEY DATA (SEWER LINE)

Bore Hole	Time	Depth	PID/FID DG	PID ACT Sub Surf H <sub>2</sub> /Soil	FID ACT Sub Surf H <sub>2</sub> /Soil	Material Desc/Comments
BH-34-1	1451	0 - 4'	0.9/0.0	45.1/16.4	11.2/6.2	90% recovery 0-3" asphalt 3"-1.8" red brick 1.8'-1.9' concrete 1.9'-2.5' fill 2.5'-4' BEN moist sandy clay trace gravel no stains no odor
*	1520	4-6'		17.6/6.4	10.1/4.1	100% recovery 4'-6' BEN dry-moist silty clay and gravel trace rubble stone some shale no stain no odor

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Date

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Date