SITE MANAGEMENT

ANNUAL REPORT
2010 CALENDAR YEAR

WORK ASSIGNMENT D004440-26

ROSE VALLEY LANDFILL — SITE NO. 622017
RUSSIA (T) — HERKIMER (C), NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Alexander B. Grannis, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation
77 Goodell Street
Buffalo, New York 14203

August 2010

ROSE VALLEY LANDFILL
2010 ANNUAL REPORT
SITE MANAGEMENT

SITE # 6-22-017

TOWN OF RUSSIA, HERKIMER COUNTY, NEW YORK

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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77 GOODELL STREET

BUFFALO, NEW YORK 14203

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TABLE OF CONTENTS

Page No.

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

1.1 General

This Site Management Annual Report for the Calendar Year 2010 has been prepared under New York State Department of Environmental Conservation (NYSDEC) URS Work Assignment No. D004440-26 for the Rose Valley Landfill site (Figure 1). The purpose of this Annual Report is to provide a record of the long-term maintenance of the cap, wells and stormwater management features associated with remediation at the Rose Valley Landfill and to monitor the effectiveness of natural attenuation. This report is the first annual report as called for by Section 6.3 of the Conceptual Operation, Monitoring and Maintenance Plan (URS, November 2006).

The purpose of the site management as presented in the Record of Decision (ROD) is to provide guidance for the operation and maintenance of the site relative to:

- Maintaining the capped area;
- Long term monitoring of the natural attenuation of the groundwater plume by and within the downslope wetlands; and
- Documenting the effectiveness of natural attenuation.

1.2 Project Background

The NYSDEC proposed a remedy in the ROD dated March 30, 2001. The recommendation involved:

- On-site disposal of contaminated surface soils from the older septic disposal pit into the on-site landfill;
- Installing a new cap on the landfill to reduce infiltration through the wastes;
- Installing a new residential well in a deeper, clean aquifer for the impacted residence; and

- Long-term monitoring of the leachate and contaminated groundwater plume by monitoring natural attenuation.

A description of the project site can be found in Section 2.0.

2.0 SITE DESCRIPTION

The Rose Valley Landfill is a privately owned, unlined dump that was open from 1963 to 1985. The site is located in Russia Township in Herkimer County as part of a 91-acre parcel (since subdivided into two parcels in 1986). The site is bounded to the east by Military Road, to the west by Bromley Road, and to the southwest by Rose Valley Road (Figure 2). A NYSDEC Class C stream locally known as Finch Brook separates the site from Military Road. Finch Brook is a tributary of Hurricane Brook (also a NYSDEC Class C stream).

The landfill is located on the side of a hill that has approximately 120 feet of relief. A steep, 60-foot-high sand embankment extends above the landfill to the west. The site is characterized by high relief, with sharp drops in elevation from southwest to northeast and a moderate, even south to southwest slope. The gradient across the western portion of the property is less severe, sloping in the opposite direction.

The area surrounding the site is sparsely populated, with few known permanent residents. At the time that the ROD was issued, a private well immediately adjacent to the landfill entrance on Rose Valley Road (and downgradient of the landfill) was found to be contaminated with site-related contaminants. A new replacement drinking water well into the deeper aquifer has since been installed at the residence; it is being monitored by the Herkimer County Department of Health.

The remedial design of the landfill closure was completed and the construction of the landfill cap was completed in 2007. A 6-foot high chain-link fence was constructed to limit access to the landfill cap area.

3.0 MONITORING ACTIVITIES

Monitoring activities performed during April 2010 consisted of the collection of groundwater samples from ten wells and surface water samples from 4 locations, shown on Figure 2. Seven of the groundwater wells are "Sentry Wells" (i.e., SW-01S, SW-01D, SW-02S, SW-02D SW-03S, SW-04S and SW-04D) and three are monitoring wells (i.e., MW-03, MW-04 and MW-16). Sentry Wells are constructed the same as monitoring wells, but are called Sentry Wells because they are located between the landfill and nearby residential drinking water wells or a surface water body. The monitoring wells are located within the wetland, east of the landfill. Surface water samples locations are: at the toe of the embankment (SWTR-1T); at the entrance of the downgradient stream (SWTR-1E); at the North Detention Pond (NDP); and at the South Detention Pond (SDP). The location and number of surface water sample locations described the Conceptual Operation, Monitoring and Maintenance Plan (URS, November 2006) was modified at the request of the Department in a January 13, 2010 meeting between the Department and URS.

In order to extend the time frame for URS to perform long-term monitoring without additional funding, the Department took responsibility for the cost of analytical services through a call-out to TestAmerica-Buffalo, located in Amherst, NY.

3.1 Groundwater Hydraulic Monitoring

On April 21, 2010, synoptic groundwater level measurements were obtained from ten wells (i.e., seven Sentry Wells and three monitoring wells). Three of the Sentry Wells (i.e., SW-01D, SW-02D and SW-04D) are deep wells. Four of the Sentry Wells (i.e., SW-01S, SW-02S, SW-03S and SW-04S) and the three monitoring wells (MW-03, MW-04, MW-16) are shallow wells. The water level measurements are provided in Table 1. A potentiometric surface map based on the water level measurements from the shallow wells, using a 10.0-foot contour interval, is provided in Figure 3. A potentiometric surface map for the deep wells could not be plotted because only data from 2 locations were available and at least 3 locations are needed. The only deep well east of the landfill is an artesian well, and efforts to measure the water column were unsuccessful (see field notes in Appendix A and photo 13 in Appendix C).

The shallow groundwater flow is to the east-northeast towards Military Road.

3.2 Groundwater Sampling

On April 21 and 22, 2010, URS collected groundwater samples from seven Sentry Wells and three monitoring wells plus quality control (QC) samples using low-flow sampling procedures.

Prior to sample collection, standing water was purged from each well with a either a GeoPump2 peristaltic pump or Grundfos Redi-Flow 2 submersible pump using dedicated/disposable high-density polyethylene (HDPE) tubing. Wells were purged at a rate of 1-liter per minute or less and the purge rate was adjusted to minimize draw down. During the purging of the well, water quality parameters (i.e., pH, specific conductivity, temperature, dissolved oxygen, turbidity) were measured using a Horiba U-22 Multi-parameter Instrument with a flow-through cell. The water quality parameters were documented on a purge log. Samples were collected after the water quality parameters stabilized. A copy of the daily field notes are provided in Appendix A. Well purge logs are provided in Appendix B and a Photographic Log is provided in Appendix C. Purge water was disposed of on the ground up-gradient of the well locations, as per the direction of the Department

All groundwater samples were transported under chain-of custody (COC) to TestAmerica Service Center located in Syracuse, New York. The service center transferred the samples to the TestAmerica Amherst, NY facility. The samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) plus tentatively identified compounds (TICs) following United States Environmental Protection Agency (USEPA) SW846 Method 8260B, TCL semi-volatile organic compounds (SVOCs) plus TICs following USEPA SW846 Method 8270C and target analyte list (TAL) metals following USEPA SW846 Methods 6010B/7470A.

3.2.1 Groundwater Results

The analytical data (i.e., NYSDEC ASP Category B data deliverables) was received by URS on May 18, 2010. The data was reviewed in accordance with the requirements outlined in Guidance for Data Deliverables and the Development of Data Usability Summary Reports (DUSR), Appendix 2B, *DER-10/Technical Guidance for Site Investigation and Remediation* (NYSDEC, May 2010). Data summary tables, Form I and Form Ie (TICs) are provided in the

DUSR and include the reporting limit for each non-detected compound. A copy of the DUSR may be found in Appendix D, on a compact disk (CD)

A summary of the detected compounds in the groundwater samples are provided in Table 2. Results exceeding TOGS 1.1.1 Class GA groundwater standards or guidance values are indicated with a circle. The locations of detected compounds that have exceeded their respective criteria are shown on Figure 4. Only two VOCs [i.e., 1,1-dichloroethane (9.3 µg/L, MW-04) and cis-1,2-dichloroethene (7.1 µg/L, MW-03)] and metals (i.e., iron, manganese and/or sodium) were detected above TOGS 1.1.1 Class GA limits in the groundwater samples. No compounds exceeded TOGS No. 1.1.1 standards or guidance values in the samples from Sentry Wells SW-01D and SW-02S.

3.3 Surface Water/Detention Pond Sampling

On April 20, 2010, URS collected surface water samples from locations SWTR-1T and SWTR-1E, the North Detention Pond (NDP) and the South Detention Pond (SDP) plus QC samples. At each location the surface water sample was collected by immersing pre-cleaned, laboratory grade sample bottles as close to the middle of the water body as possible without disturbing the sediment. A copy of the daily field notes are provided in Appendix A and a Photographic Log is provided in Appendix C.

All surface samples were transported under COC to TestAmerica Service Center located in Syracuse, New York. The service center transferred the samples to the TestAmerica Amherst, NY facility. The samples were analyzed for TCL VOCs plus TICs following USEPA SW846 Method 8260B, TCL SVOCs plus TICs following USEPA SW846 Method 8270C and TAL metals following USEPA SW846 Methods 6010B/7470A.

3.3.1 Surface Water/Detention Pond Results

The analytical data (i.e., NYSDEC ASP Category B data deliverables) was received by URS on May 18, 2010. The data was reviewed in accordance with the requirements outlined in Guidance for Data Deliverables and the Development of DUSRs, Appendix 2B, *DER-10/Technical Guidance for Site Investigation and Remediation* (NYSDEC, May 2010). Data

summary tables, Form I and Form Ie (TICs) are provided in the DUSR and include the reporting limit for each non-detected compound.

A summary of the detected compounds in surface water samples are provided in Table 3. The standard for nickel is provided on Table 4. Results exceeding TOGS 1.1.1 Class C surface water standards or guidance values are indicated with a circle. The locations of detected compounds that have exceeded their respective criteria are shown on Figure 5. Only metals (i.e., aluminum, cobalt and iron) were detected above TOGS 1.1.1 Class C limits in the surface water samples. No compounds exceeded TOGS No. 1.1.1 standards or guidance values in the sample from surface water location SWTR-1E. It should be noted that the aluminum standard is based on the ionic form, whereas the results are for total aluminum. Ionic aluminum would typically be present in only the dissolved form.

4.0 SITE MAINTENANCE

4.1 Monitoring Well Inspections

During the 2010 groundwater sampling event, a well inspection was performed. All wells appeared to be in good condition with the exception of the locks which were either missing or non functional. The monitoring well inspection logs may be found in Appendix E.

4.2 Landfill Inspection

During the 2010 groundwater sampling event, a landfill inspection was performed by URS accompanied by NYSDEC personnel. A copy of the completed landfill inspection form can be found in Appendix F. The landfill cap components appeared to be in good condition. However, erosion was noted on the west side of the landfill at the toe drain/channel interface and on the north side of the site, north of the stone-lined drainage channel. Photographs of the erosion can be found in Appendix C.

4.3 Maintenance Performed

4.3.1 Monitoring Well Maintenance

No monitoring well maintenance was performed at the time this report was prepared.

4.3.2 Routine Maintenance

No routine maintenance was performed at the time this report was prepared.

4.3.3 Intermittent Maintenance

No intermittent maintenance was performed at the time this report was prepared.

5.0 SUMMARY AND RECOMMENDATIONS

The Conceptual Operation, Monitoring and Maintenance Plan (URS, November 2006) is currently being modified based upon comments from the NYSDEC. The modified plan will be re-titled as the Site Management Plan. The Site Management Plan is expected to be submitted to the Department, reviewed and approved by the end of the 2010 calendar year.

5.1 Groundwater Hydraulic Monitoring

Shallow groundwater flows in an east-northeast direction. The flow direction of the deep groundwater could not be determined at this time due to the artesian conditions encountered at SW-04D. Future monitoring events should include additional water level measurements from monitoring wells located on and around the perimeter of the landfill to more accurately depict the potentiometric surface at the site.

5.2 Groundwater Quality Monitoring

Two VOCs (cis-1,2-dichoroethene and 1,1-dichloroethane) and several metals (iron manganese, sodium) exceed TOGS 1.1.1 Class GA standards and guidance values. There were no exceedances in two of the Sentry Wells. Table 5 includes results from the August 2004 sampling of the ten wells. The concentrations of detected VOCs are lower in 2010 when compared to the 2004 results. The concentrations of metals are relatively unchanged.

5.3 Surface Water/Detention Pond Quality Monitoring

Only the compounds aluminum, cobalt and/or iron were detected in three of the four surface water locations at concentrations that exceeded the TOGS 1.1.1 Class C surface water standards and guidance values. No historical data is available from the surface water sampling locations.

5.4 Monitoring Well Maintenance

Other than replacing locks, no maintenance was necessary for the monitoring wells. The locks will be replaced during the next site visit.

5.5 Landfill Maintenance

All landfill cap components appeared to be sound. Erosion was noted on the west side of the landfill, west of the toe drain/channel. Erosion was noted on the west side of the landfill at the toe drain/channel interface and on the north side of the site, north of the stone-lined drainage channel. Corrective action will be necessary to mitigate the erosion.

The landfill has not been mowed at the time of this report and should be mowed during the 2010 calendar year.

TABLES

TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
ROSE VALLEY LANDFILL

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-03	1602437.498	357450.2192			1175.58	A						
WL							8/19/2004 1210	3.31	1172.27	0.00		
WL							4/21/2010 0000	3.03	1172.55	0.00		
MW-04	1602588.989	357572.8098			1172.46	A						
WL							8/19/2004 1310	2.56	1169.90	0.00		
WL							4/21/2010 0000	2.63	1169.83	0.00		
MW-16	1602287.308	357950.8887			1152.58	A						
WL							8/18/2004 1320	4.00	1148.58	0.00		
WL							4/21/2010 0000	3.00	1149.58	0.00		
SW-01D	1601823.93	355356.06	1262.0		1264.70	B						
WL							8/17/2004 1025	68.64	1196.06	0.00		
WL							4/21/2010 0000	67.13	1197.57	0.00		
SW-01S	1601817.02	355346.13	1260.5		1263.17	A						
WL							8/17/2004 1020	19.32	1243.85	0.00		
WL							4/21/2010 0000	19.05	1244.12	0.00		
SW-02D	1601370.34	355721.25			1257.00	B						
WL							8/16/2004 1600	70.49	1186.51	0.00		
WL							4/21/2010 0000	70.10	1186.90	0.00		
SW-02S	1601367.21	355730.86			1257.20	A						
WL							8/16/2004 1700	12.05	1245.15	0.00		
WL							4/21/2010 0000	12.36	1244.84	0.00		
SW-03S	1601483.4	355518.17			1257.67	A						
WL							8/17/2004 0925	12.73	1244.94	0.00		
WL							4/21/2010 0000	12.81	1244.86	0.00		
SW-04D	1602328.65	358265.16	1149.0		1148.65	B						
WL							8/18/2004 1205	NM	-	NM	-	Artesian well
WL							4/21/2010 0000	NM	-	NM	-	Artesian well

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

A Shallow Unconfined Aquifer

B Deep Unconfined Aquifer

TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
ROSE VALLEY LANDFILL

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
SW-04S	1602315.5	358278.21	1148.3		1148.00	A						
WL							8/18/2004 1225	3.76	1144.24	0.00		
WL							4/21/2010 0000	2.83	1145.17	0.00		

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

A Shallow Unconfined Aquifer

B Deep Unconfined Aquifer

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
2010 MONITORING EVENT
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1-Dichloroethane	UG/L	5	2.3	9.3			
1,2-Dichloroethene (cis)	UG/L	5	7.1	2.3			
Dichlorodifluoromethane	UG/L	5	0.75 J	0.86 J			
Total Volatile Organic Compounds	UG/L	-	10.15	12.46	ND	ND	ND
Metals							
Aluminum	UG/L	-					
Barium	UG/L	1000	47.6	16.0	31.0	71.2	70.2
Cadmium	UG/L	5					
Calcium	UG/L	-	225,000	171,000	77,900	28,600	27,600
Chromium	UG/L	50					
Iron	UG/L	300	252	1,050	16,600	292 J	631 J
Magnesium	UG/L	35000	18,600	31,700	8,150	14,000	13,500
Manganese	UG/L	300	2,450	525	1,090	8.8	11.8
Potassium	UG/L	-	3,320	1,130		1,940	1,890
Sodium	UG/L	20000	3,800	14,100	5,800	10,200	9,900
Vanadium	UG/L	-					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value.

- = No standard or guidance value.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
2010 MONITORING EVENT
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5			1.9		
1,1-Dichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Dichlorodifluoromethane	UG/L	5					
Total Volatile Organic Compounds	UG/L	-	ND	ND	1.9	ND	ND
Metals							
Aluminum	UG/L	-	5,830	443			1,800
Barium	UG/L	1000	33.4	65.7	2.9	8.8	14.7
Cadmium	UG/L	5					2.4
Calcium	UG/L	-	109,000	62,800	57,400	74,400	12,200
Chromium	UG/L	50	6.9	4.1			
Iron	UG/L	300	3,700	433			1,630
Magnesium	UG/L	35000	4,000	22,300	2,240	3,040	1,960
Manganese	UG/L	300	50.5	10.2			38.7
Potassium	UG/L	-	2,080	1,870		1,910	1,170
Sodium	UG/L	20000	2,100	7,500	1,000	22,600	32,000
Vanadium	UG/L	-	6.6				

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value.

- = No standard or guidance value.

Only Detected Results Reported.

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TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
2010 MONITORING EVENT
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	5	
1,1-Dichloroethane	UG/L	5	
1,2-Dichloroethene (cis)	UG/L	5	
Dichlorodifluoromethane	UG/L	5	
Total Volatile Organic Compounds	UG/L	-	ND
Metals			
Aluminum	UG/L	-	336
Barium	UG/L	1000	26.1
Cadmium	UG/L	5	
Calcium	UG/L	-	92,700
Chromium	UG/L	50	
Iron	UG/L	300	8,870
Magnesium	UG/L	35000	6,900
Manganese	UG/L	300	2,080
Potassium	UG/L	-	1,940
Sodium	UG/L	20000	4,300
Vanadium	UG/L	-	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value.

- = No standard or guidance value.

Only Detected Results Reported.

TABLE 3
SUMMARY OF DETECTED COMPOUNDS IN SURFACE WATER / DETENTION POND WATER
2010 MONITORING EVENT
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Volatile Organic Compounds							
Acetone	UG/L	-					9.4
Chlorobenzene	UG/L	5					0.75 J
Total Volatile Organic Compounds	UG/L	-	ND	ND	ND	ND	10.15
Metals							
Aluminum	UG/L	100 ionic		1,570	1,460		
Barium	UG/L	-	32.5	51.8	49.7	22.3	117
Calcium	UG/L	-	123,000	77,200	74,600	88,400	122,000
Cobalt	UG/L	5					7.1
Iron	UG/L	300	1,650	2,790	2,360	230	10,500
Magnesium	UG/L	-	15,900	16,200	15,800	12,800	26,100
Manganese	UG/L	-	720	101 J	71.3 J	25.4	385
Nickel	UG/L	calc, diss					12.0
Potassium	UG/L	-	3,700	7,760	7,650	5,570	70,800
Sodium	UG/L	-	4,000	6,200	6,100	6,600	65,400
Miscellaneous Parameters							
Hardness (calculated)	MG/L	-	373	259	251	273	412

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value.

- = No standard or guidance value.

Calculated standards are shown on Table 4.

Only Detected Results Reported.

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TABLE 4
CRITERIA FOR CLASS C SURFACE WATERS REQUIRING CALCULATION
ROSE VALLEY LANDFILL

Sample ID		Criteria Applies To	NDP		DUP-1 (SDP)		SDP		SWTR-1E		SWTR-1T	
	Units		Criteria	Result	Criteria	Result	Criteria	Result	Criteria	Result	Criteria	Result
Metals												
Hardness (calculated)	MG/L	Not applicable	--	373	--	259	--	251	--	273	--	412
Nickel	UG/L	Dissolved form	158		117		113		122		172	12.0

Criteria:
NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

-- - No criteria
blank cell - not detected
Only detected results shown.

TABLE 5
SUMMARY OF HISTORICALLY DETECTED COMPOUNDS IN GROUNDWATER
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-03	MW-04	MW-04	MW-16
Sample ID			MW-03	MW-03	MW-04	MW-04	MW-16
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/19/04	04/21/10	08/19/04	04/21/10	08/18/04
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1-Dichloroethane	UG/L	5	4 J	2.3	16	9.3	
1,2-Dichloroethene (cis)	UG/L	5	16	7.1	3 J	2.3	
Dichlorodifluoromethane	UG/L	5		0.75 J		0.86 J	
Total Volatile Organic Compounds	UG/L	-	20	10.15	19	12.46	ND
Metals							
Aluminum	UG/L	-	164 B		131 B		964 J
Antimony	UG/L	3	3.7 B				
Arsenic	UG/L	25					3.5 B
Barium	UG/L	1000	60.4 B	47.6	17.2 B	16.0	59.6 B
Cadmium	UG/L	5	0.25 B				1.0 B
Calcium	UG/L	-	220,000	225,000	156,000	171,000	88,400
Chromium	UG/L	50					
Cobalt	UG/L	-	2.0 B		1.1 B		1.0 B
Copper	UG/L	200			1.5 B		
Iron	UG/L	300	918	252	1,190	1,050	17,100
Magnesium	UG/L	35000	23,500	18,600	26,800	31,700	9,330
Manganese	UG/L	300	2,210 J	2,450	304 J	525	1,260 J
Nickel	UG/L	100	5.6 B		13.5 B		
Potassium	UG/L	-	3,950 B	3,320	1,070 B	1,130	1,080 B
Silver	UG/L	50					2.0 BJ
Sodium	UG/L	20000	5,940	3,800	16,600	14,100	9,150
Vanadium	UG/L	-					2.5 B
Zinc	UG/L	2000					8.7 B

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value. R - The results have been rejected.

B (metals) - The reported concentration is above the method detection limit but below the quantitation limit.

- = No standard or guidance value.

Only Detected Results Reported.

TABLE 5
SUMMARY OF HISTORICALLY DETECTED COMPOUNDS IN GROUNDWATER
ROSE VALLEY LANDFILL

Location ID			MW-16	SW-01D	SW-01D	SW-01D	SW-01S
Sample ID			MW-16	SW-1D	DUP-2	SW-01D	SW-1S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	08/17/04	04/21/10	04/21/10	08/17/04
Parameter	**Units**	**Criteria***			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1-Dichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Dichlorodifluoromethane	UG/L	5					
Total Volatile Organic Compounds	UG/L	-	ND	ND	ND	ND	ND
Metals							
Aluminum	UG/L	-					215
Antimony	UG/L	3					
Arsenic	UG/L	25					
Barium	UG/L	1000	31.0	61.9 B	71.2	70.2	27.3 B
Cadmium	UG/L	5		0.24 B			0.56 B
Calcium	UG/L	-	77,900	17,500	28,600	27,600	146,000
Chromium	UG/L	50		1.6 B			11.2
Cobalt	UG/L	-		0.54 B			1.3 B
Copper	UG/L	200		0.96 B			4.0 B
Iron	UG/L	300	16,600	65.4 B	292 J	631 J	R
Magnesium	UG/L	35000	8,150	9,700	14,000	13,500	4,430 B
Manganese	UG/L	300	1,090	8.3 B	8.8	11.8	R
Nickel	UG/L	100		1.6 B			6.3 B
Potassium	UG/L	-		1,780 B	1,940	1,890	1,520 B
Silver	UG/L	50					0.41 B
Sodium	UG/L	20000	5,800	15,200	10,200	9,900	3,050 B
Vanadium	UG/L	-					
Zinc	UG/L	2000		11.0 B			14.4 B

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value. R - The results have been rejected.

B (metals) - The reported concentration is above the method detection limit but below the quantitation limit.

- = No standard or guidance value.

Only Detected Results Reported.

TABLE 5
SUMMARY OF HISTORICALLY DETECTED COMPOUNDS IN GROUNDWATER
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02D	SW-02S	SW-02S
Sample ID			SW-01S	SW-2D	SW-02D	SW-2S	SW-02S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	08/16/04	04/22/10	08/16/04	04/22/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5				3 J	1.9
1,1-Dichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Dichlorodifluoromethane	UG/L	5					
Total Volatile Organic Compounds	UG/L	-	ND	ND	ND	3	1.9
Metals							
Aluminum	UG/L	-	5,830		443	250	
Antimony	UG/L	3					
Arsenic	UG/L	25					
Barium	UG/L	1000	33.4	84.4 B	65.7	16.2 B	2.9
Cadmium	UG/L	5		0.25 B			
Calcium	UG/L	-	109,000	44,100	62,800	53,500	57,400
Chromium	UG/L	50	6.9	3.0 B	4.1	3.5 B	
Cobalt	UG/L	-		0.55 B		0.79 B	
Copper	UG/L	200		5.6 B		4.3 B	
Iron	UG/L	300	3,700	51.2 B	433	R	
Magnesium	UG/L	35000	4,000	19,800	22,300	2,670 B	2,240
Manganese	UG/L	300	50.5	2.8 B	10.2	R	
Nickel	UG/L	100		3.3 B		2.9 B	
Potassium	UG/L	-	2,080	9,580	1,870	444 B	
Silver	UG/L	50					
Sodium	UG/L	20000	2,100	11,300	7,500	746 B	1,000
Vanadium	UG/L	-	6.6				
Zinc	UG/L	2000		11.7 B		11.5 B	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value. R - The results have been rejected.

B (metals) - The reported concentration is above the method detection limit but below the quantitation limit.

- = No standard or guidance value.

Only Detected Results Reported.

TABLE 5
SUMMARY OF HISTORICALLY DETECTED COMPOUNDS IN GROUNDWATER
ROSE VALLEY LANDFILL

Location ID			SW-03S	SW-03S	SW-04D	SW-04D	SW-04S
Sample ID			SW-3S	SW-03S	SW-04D	SW-04D	SW-04S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/16/04	04/22/10	08/18/04	04/21/10	08/18/04
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,1-Dichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
Dichlorodifluoromethane	UG/L	5					
Total Volatile Organic Compounds	UG/L	-	ND	ND	ND	ND	ND
Metals							
Aluminum	UG/L	-	197 B		1,120 J	1,800	914 J
Antimony	UG/L	3					
Arsenic	UG/L	25					
Barium	UG/L	1000	27.6 B	8.8	18.4 B	14.7	123 B
Cadmium	UG/L	5	0.29 B			2.4	0.68 B
Calcium	UG/L	-	95,400	74,400	10,700	12,200	105,000
Chromium	UG/L	50	2.3 B		1.1 B		59.5
Cobalt	UG/L	-	0.78 B		0.81 B		2.2 B
Copper	UG/L	200	4.3 B				4.8 B
Iron	UG/L	300	R		1,360	1,630	3,040
Magnesium	UG/L	35000	4,380 B	3,040	1,750 B	1,960	11,200
Manganese	UG/L	300	R		36.1 J	38.7	775 J
Nickel	UG/L	100	2.3 B		1.2 B		43.1 J
Potassium	UG/L	-	2,640 B	1,910	1,160 B	1,170	6,150 J
Silver	UG/L	50					
Sodium	UG/L	20000	63,500	22,600	32,700	32,000	11,700
Vanadium	UG/L	-			1.8 B		2.2 B
Zinc	UG/L	2000	21.4		5.5 B		12.6 B

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value. R - The results have been rejected.

B (metals) - The reported concentration is above the method detection limit but below the quantitation limit.

- = No standard or guidance value.

Only Detected Results Reported.

TABLE 5
SUMMARY OF HISTORICALLY DETECTED COMPOUNDS IN GROUNDWATER
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	5	
1,1-Dichloroethane	UG/L	5	
1,2-Dichloroethene (cis)	UG/L	5	
Dichlorodifluoromethane	UG/L	5	
Total Volatile Organic Compounds	UG/L	-	ND
Metals			
Aluminum	UG/L	-	336
Antimony	UG/L	3	
Arsenic	UG/L	25	
Barium	UG/L	1000	26.1
Cadmium	UG/L	5	
Calcium	UG/L	-	92,700
Chromium	UG/L	50	
Cobalt	UG/L	-	
Copper	UG/L	200	
Iron	UG/L	300	8,870
Magnesium	UG/L	35000	6,900
Manganese	UG/L	300	2,080
Nickel	UG/L	100	
Potassium	UG/L	-	1,940
Silver	UG/L	50	
Sodium	UG/L	20000	4,300
Vanadium	UG/L	-	
Zinc	UG/L	2000	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

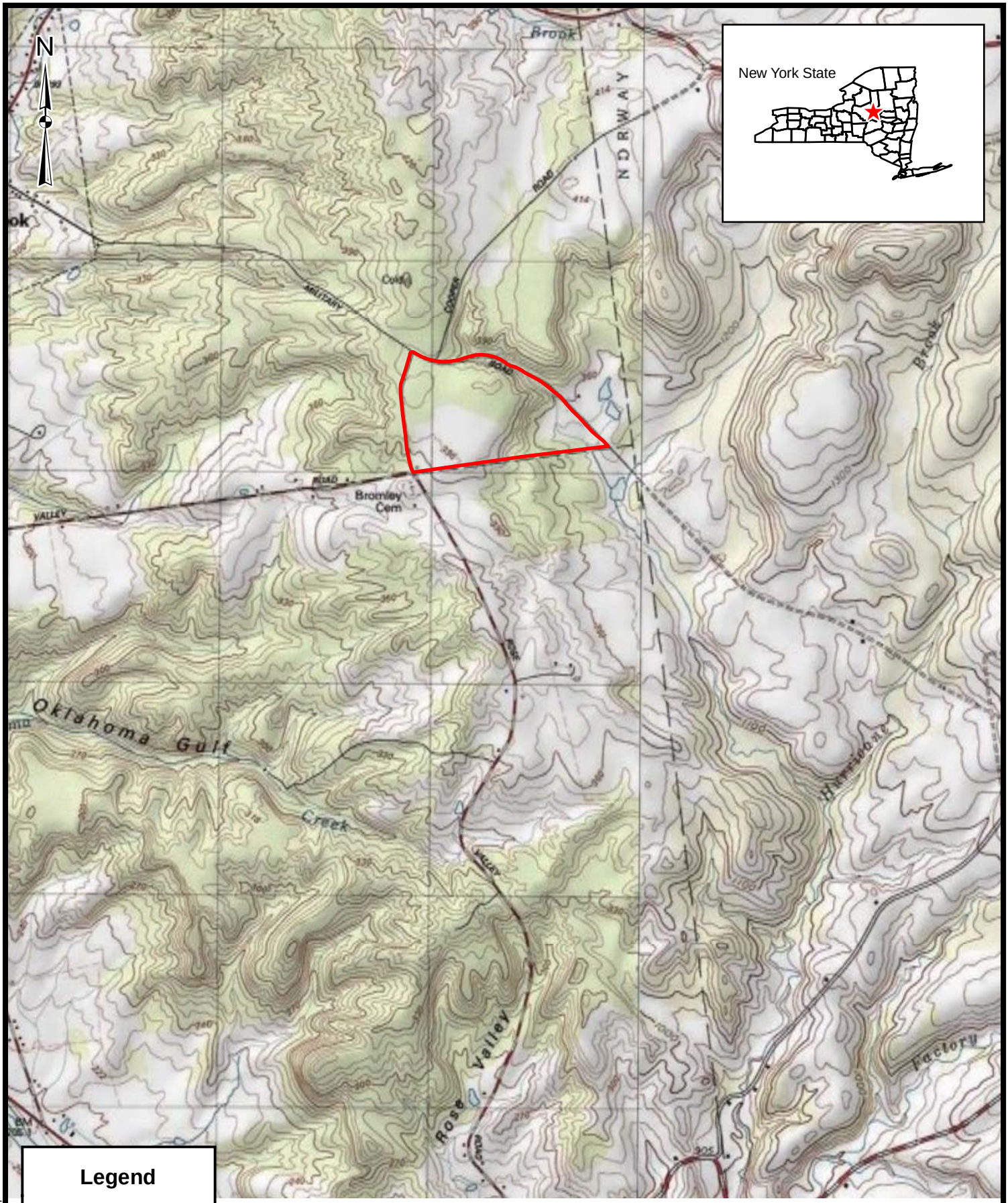
Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank cell or ND - Not detected. J - The reported concentration is an estimated value. R - The results have been rejected.
B (metals) - The reported concentration is above the method detection limit but below the quantitation limit.
- = No standard or guidance value.

Only Detected Results Reported.

FIGURES



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ROSE VALLEY LANDFILL
SITE LOCATION

FIGURE 1

I:\11176167\GIS\2010 Annual Report\SITE LOCATION.mxd 8/3/2010 MDL

N

Cooper Rd

JERSEY BARRIER WITH FENCE

MW-04

NDP

MW-03

SW-04D

SW-04S

MW-16

SWTR-1T

SWTR-1E

SDP

APPROXIMATE AREA OF WETLANDS

Bromley Rd

SW-01D

SW-01S

LANDFILL FENCE

Rose Valley Rd

Military Rd

NEARBY RESIDENCES

SW-03S

SW-02D

SW-02S

Legend

- Groundwater Sampling Location
- Surface Water Sampling Location
- Residential Buildings

300 0 300 Feet

ROSE VALLEY LANDFILL
SITE PLAN

URS

FIGURE 2

I:\11176167\GIS\2010 Annual Report\SITE PLAN.mxd 8/20/2010 MDL

N

Cooper Rd

JERSEY BARRIER WITH FENCE

MW-04, 1169.83

MW-03, 1172.55

SW-04S, 1145.17

MW-16, 1149.58

1150

1160

1170

1180

1190

1200

1210

1220

1230

1240

LANDFILL FENCE

Bromley Rd

SW-01S, 1244.12

Rose Valley Rd

SW-03S, 1244.86

SW-02S, 1244.84

Military Rd

Legend

- Groundwater Monitoring Well
- 1240 Groundwater Contours (FT AMSL)

FT AMSL = Feet Above Mean Sea Level

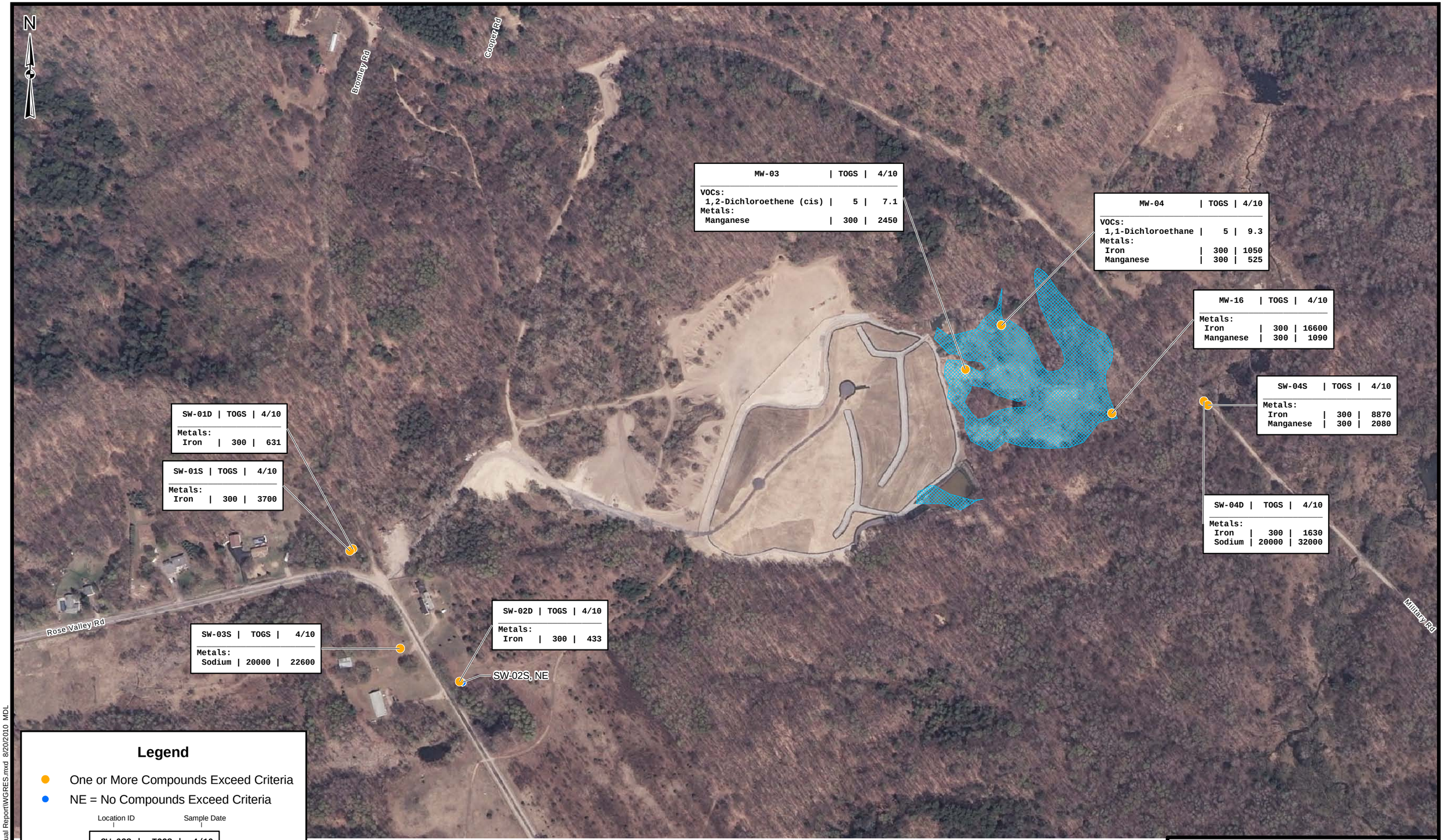
300 0 300 Feet

ROSE VALLEY LANDFILL
POTENTIOMETRIC SURFACE (SHALLOW)
APRIL 21, 2010

URS

FIGURE 3

I:\11176167\GIS\2010 Annual Report\GW CONTOURS SHALLOW 100421.mxd 8/20/2010 MDL



Note:
NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA criteria used to determine exceedances.

300 0 300 Feet

ROSE VALLEY LANDFILL GROUNDWATER EXCEEDANCES

URS

FIGURE 4

I:\11176167\GIS\2010 Annual Report\WGRES.mxd 8/20/2010 MDL

N

Cooper Rd

Bromley Rd

Rose Valley Rd

Military Rd

NDP	TOGS	4/10	
Metals:			
Iron	300	1650	

SWTR-1T	TOGS	4/10	
Metals:			
Cobalt	5	7.1	
Iron	300	10500	

SWTR-1E, NE

SDP	TOGS	4/10	
Metals:			
Aluminum	100	1570	
Iron	300	2790	

Legend

- One or More Compounds Exceed Criteria
- NE = No Compounds Exceed Criteria

Location ID — Sample Date

NDP	TOGS	4/10	
Metals:			
Iron	300	1650	

Compound — Criteria Value — Concentration

Note:
NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C criteria used to determine exceedances.

300 0 300 Feet

ROSE VALLEY LANDFILL SURFACE WATER/ DETENTION POND EXCEEDANCES

URS

FIGURE 5

I:\11176167\GIS\2010 Annual Report\WSRES.mxd 8/20/2010 MDL

APPENDIX A

FIELD NOTES

CONTENTS

PAGE	REFERENCE	DATE

Location Poland, NY Date 4/20/10 Tues.

Project / Client Rose Valley Landfill - (RVLF) 55°F partly cloudy

7:45 am S. McCabe Meet C. Durel
load up gear
8:15 ish. travel -
9:00 amish - Walmart - supplies
~10:00 am arrived - Roch, NY -
pick up sampling gear -
12:30 arrive @ Blue Anchor Casino.
check in - pay - cash - cr. only - lunch
1:30 ish on site - paint fence posts
unload gear. and polaris 4x4 Ranger
- tele w/ M. Moson - he will bring
Water level indicator -
tour landfill and find well locations
3:15 set up for surface water sample
@ South Detention Pond.
sample was collected just East of
CMP outfall pipe - parameters are
VOCs, SVOCs, TAL Metals
polywogs were observed swimming in
pond @ sample location -
Water level in pond is very low -
min. amount of H2O flowing into pond
Fe colored / stained soils / Rocks

Location RVLF Date 4/20/10

Project / Client NYSDEC

SAMPLE INDENTIFCATION TABLE

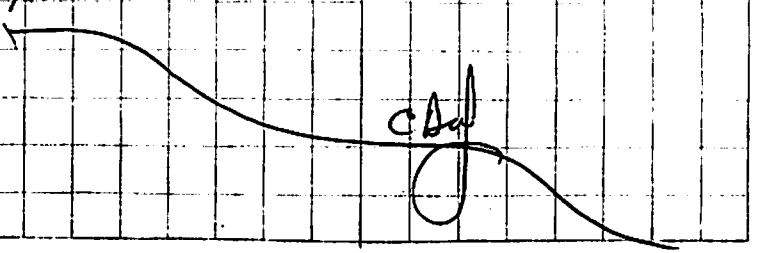
Location	Sample ID		Date	Time
S Detention Pond	01		4-20-10	3:27 pm 15:30
S Det. Pond	02	Dupe	4-20-10	3:15:40
SWTR-1E	03		4-20-10	16:30
N. Det. Pond (NDP)	04		4-20-10	17:00
MS NDP	05		4-20-10	17:00
MSD NDP	06		4-20-10	17:00
SWTR-1T (IT)	07		4-21-10	9:30
SW-04S	08		4-21-10	11:05
SW-04D	09		4-21-10	12:35
MS-04D	10		4-21-10	12:35
MSD-04D	11		4-21-10	12:35
MW-16	12		4-21-10	13:45
MW-04	13		4-21-10	15:00
MW-03	14		4-22-10	15:50
SW-01S	15		4-22-10	16:50
SW-01D	16		4-21-10	17:55
SW-01D Dupe	17	Dupe	4-21-10	17:55
SW-03S	18		4-22-10	09:00
SW-02S	19		4-22-10	09:30
SW-02D	20		4-22-10	10:10

Location RVLF Date 4/20/10

Project / Client NYSDEC

PHOTO LOG

1. S McCabe collecting S. Det. Pond sample
2. close out of inlet pipe. Fe soil/rock
3. Same location - only view shows LF in background.
4. 8 swtr-1E close up and MW-16 in background
9, 10 turtle
11, 12 inlet area into N. Det. Pond
13. Sampling NDP - just east of outfall
14, 15 sampling SWTR-1T 4-21-10
16 SW-04S sampling gear
17, 18 standpipe on SW-04D
19, 20 MW-03 sampling in wetland
21 erosion west side of LF (looking N)
22 close up of erosion
23 erosion looking South
24, 25 North side erosion



Location RVLF Date 4/20/10

Project / Client NYSDEC

16:30 after 1/2 hr+ of searching for sentry wells 04S and 04D we sampled SWTR-1E (we did not find 04S + 4D yet) and installed fence post painted flourescent orange w/ flagging on top, ~50' SE of MW-16

16:55 sampled North Detention Pond collected MS, and MSD at this location sampled VOCs, SVOCs + TAL Metals - There is steady flow into NDP from landfill - water is not flowing in rip rap/stone lined down chute, it has eroded a small channel north of chute - some sediment in western edge of pond. will @ some point require cleaning -

- review areas/location to collect surface H_2O sample between 2 ponds using hand shovel dug sump area for H_2O to collect. will review location w/ client on Wed. if he approves will collect sample @ this point. packed up gear + 4x4

Back @ hotel - cabin by ~18:30

[signature]

Location RVLF Date 4/21/10

Project / Client NYSDEC sunny, 50°F+ @ 8:30am

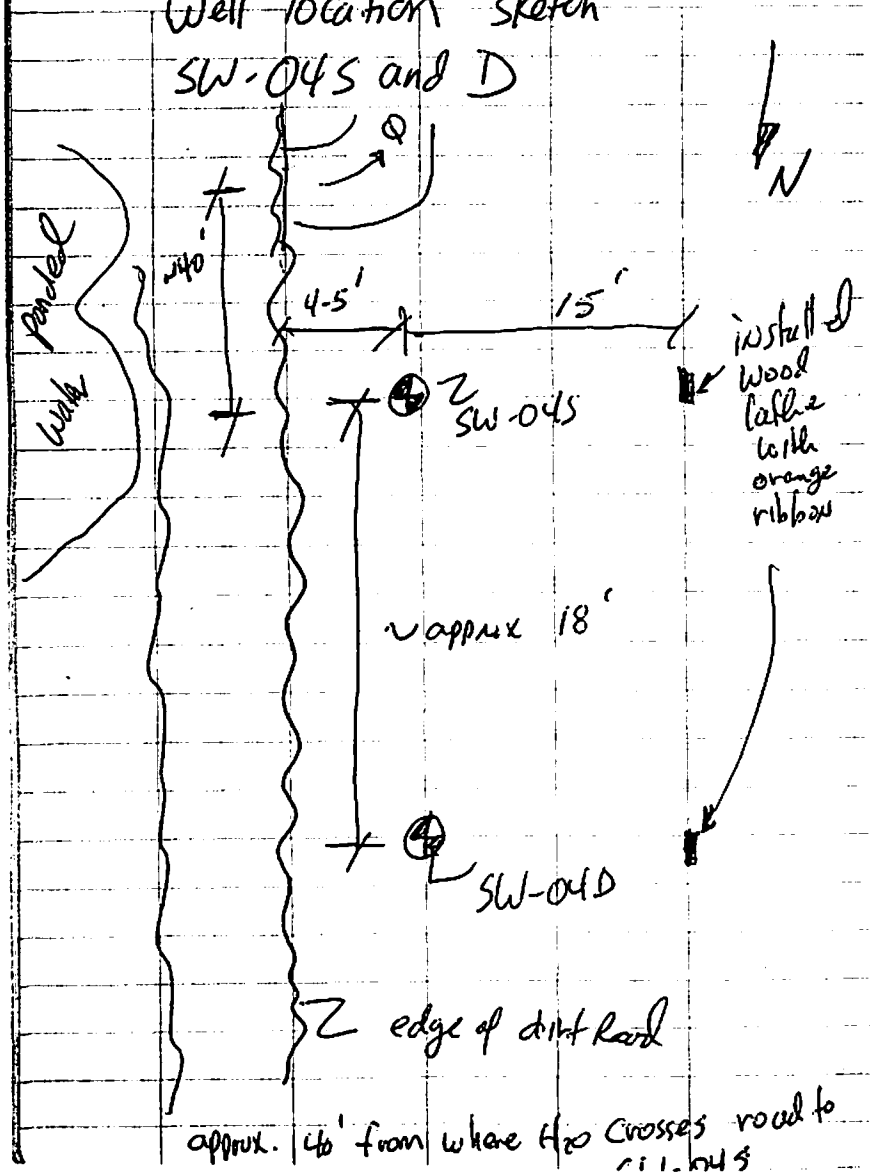
7:45 on site - CD, S. all
unload gear - equipment, etc.
calibrate instruments.
waiting for Mason - w/ H_2O level indicator.
8:55 M. Mason on site.
We review SW location - between two ponds. he approved. We collected sample SWTR-1T @ 9:30am
VOCs, SVOCs + TAL metals.
The sump we dug the evening before filled in quite nicely - (travelled to)
10:00 amish down to SW-04D and SW-04S - we got flat tire on 4x4. S. walked up to get van
C.D + M.[2] found wells (poland)
CD + M[2] went into town fixed tires (spare was low) and bought PVC 2" Ø pipe + fernco to assist w/ H_2O level @ SW-04D which is artesian,
11:45 amish back on site (SW-04D) Del fire - purged ~45 mins. sampled (12:35 VOC, SVOC + Metals TAC. installed wood lathe see to help relocate wells in future (sketch pg 8).

Location RVLF Date 4/21/10

Project / Client NYSDE

Well location sketch

SW-04S and D



approx. 40' from where H2O crosses road to SW-04S

Location RVLF Date 4/21/10

Project / Client NYSDEC

~12:45 moved to MW-16

* Sampled wells 04D and 04D Dupe

We also collected an MS and MSD samples from MS-04D

12:45 moved to MW-16 - Sample ID-12

sampled this well @ 13:45

VOCs, SVOCs and TAL Metals.

15:00 sampled MW-04

VOCs, SVOCs, and TAL metals

15:50 sampled MW-03 in swamp

area - VOCs, SVOCs + TAL metals

~16:15 M. Mason left site to AIC

will be back on 4/22/10

16:50 sampled SW-01S

VOCs, SVOCs and TAL Metals

this is an up gradient well

17:55 sampled SW-01D - used ground fos pump. VOCs, SVOCs + TAL Metals

packed up Van - loaded 4x4 Ranger

19:00 back to hotel. - note prior to leaving site we completed all H2O level measurements

Location RVLF Date 4/22/10
Project / Client NYSDEC cloudy - windy - ~45°F

7:00am loaded/pick up VAN - check out fuel for both Van + Ranger
7:30ish on site - unloaded equipment started sampling SW-03S - VOCs, SVOCs + TAL metals
~08:30 M. Wilson + D. Chiu on site.
09:30 After purging we sampled SW-02S VOCs SVOCs + Metals -
S. McCabe continued sampling and C. Duvel + DECs folks conducted landfill cap inspection. -
MAJOR findings of inspection
① West side of landfill there is erosion of sandy soils that exist west of toe drain/channel - took photographs - we will require corrective action -
② North side erosion is occurring @ interface w/ drainage channel -
otherwise all other cap components gas vent wells are in great shape - some sediment in both detention ponds previously documented - pg 6 of this book - vegetation good - see inspection for details of findings and view photos.

Location RVLF Date 4/22/10
Project / Client NYSDEC

~13:40 all left site - locked gate
14:45 arrive @ lab 118 Boss Rd Syracuse, NY - unload coolers and wait for Test America employee to return to Bldg so we can complete COC. - Dave arrive @ location lab 3:14
15:15 left lab after S. McCabe signed COC
~17:00 dropped rental equipment off @ Ahead - Roch. NY

APPENDIX B

MONITORING WELL PURGE LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: MW-3

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 3.03 Depth to Well Bottom: 17.45 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 8.90 Estimated Purge Volume (liters): 10.8

Sample ID: MW-3 Sample Time: 1550 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1530	6.40	8.0	1.520	.43	31	21	600	3.03
1533	6.28	7.8	1.520	0.0	22	17	600	3.27
1536	6.26	7.7	1.520	0.0	21	15	600	3.27
1539	6.16	7.7	1.510	0.0	22	14	600	3.27
1542	6.15	7.7	1.510	0.0	23	13	600	3.27
1545	6.15	7.7	1.510	0.0	24	13	600	3.27
1548	6.13	7.7	1.510	0.0	22	12	600	3.27
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: MW-4

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 2.63 Depth to Well Bottom: 17.76 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 9.34 Estimated Purge Volume (liters): 9.0

Sample ID: MW-4 Sample Time: 1500 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1438	6.96	8.3	1.380	0.0	25	-58	500	2.63
1440	6.94	8.2	1.380	0.0	27	-60	500	2.83
1442	6.94	8.2	1.380	0.0	27	-60	500	2.91
1444	6.93	8.2	1.380	0.0	25	-61	500	2.99
1446	6.91	8.2	1.370	0.0	24	-60	500	3.01
1448	6.84	8.2	1.370	0.0	19	-59	500	3.13
1450	6.81	8.2	1.370	0.0	19	-57	500	3.17
1452	6.77	8.2	1.370	0.0	16	-54	500	3.18
1454	6.75	8.2	1.370	0.0	18	-53	500	3.19
1456	6.70	8.3	1.360	0.0	16	-47	500	3.23
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: MW-16

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 3.00 Depth to Well Bottom: 11.73 Well Diameter: 2" Screen Length: 8'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.39 Estimated Purge Volume (liters): 6.4

Sample ID: MW-16 Sample Time: 1345 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1330	6.87	6.8	.484	.13	14	-112	800	3.00
1332	6.68	7.0	.476	0.0	39	-115	800	3.10
1334	6.62	7.1	.472	0.0	36	-111	800	3.25
1336	6.53	6.8	.477	0.0	11	-112	800	3.34
1338	6.51	6.7	.478	0.0	9.3	-113	400	3.41
1340	6.53	6.9	.483	0.0	7.2	-117	400	3.42
1342	6.49	6.8	.487	0.0	16	-116	400	3.45
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-01S

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 19.05 Depth to Well Bottom: 28.63 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.91 Estimated Purge Volume (liters): 13.0

Sample ID: SW-01S Sample Time: 1650 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1622	6.44	8.4	.940	7.19	74	80	600	19.05
1627	6.46	8.3	.910	7.58	30	89	500	19.05
1632	6.46	8.2	.483	7.53	49	91	500	19.05
1637	6.45	8.0	.480	7.48	42	94	500	19.05
1642	6.44	8.0	.477	7.83	51	99	500	19.05
1647	6.43	8.0	.481	8.08	37	101	500	19.05
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-01D

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Grundfos Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 67.13 Depth to Well Bottom: 84.12 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 10.48 Estimated Purge Volume (liters): 23.2

Sample ID: SW-01D Sample Time: 1755 QA/QC: Dup-2

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	0.29	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1725	6.91	10.9	.290	.40	13	-8	800	67.13
1728	6.92	11.1	.290	.31	12	-13	800	67.32
1731	6.93	11.6	.289	.09	9.1	-24	800	67.32
1734	6.97	12.1	.287	0.0	4.7	-39	800	67.32
1737	6.98	12.3	.285	0.0	3.7	-43	800	67.32
1740	7.00	12.5	.282	0.0	3.2	-69	800	67.32
1743	7.05	12.5	.283	0.0	4.1	-71	800	67.32
1745	7.07	12.6	.281	0.0	1.9	-76	800	67.32
1748	7.09	12.8	.281	0.0	1.9	-82	800	67.32
1751	7.09	12.9	.280	0.0	1.5	-83	800	67.32
1754	7.10	12.8	.280	0.0	2.3	-84	800	67.32
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-02S

Sampling Personnel: C. Dusel, S. McCabe Date: 4/22/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 12.42 Depth to Well Bottom: 20.15 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 4.77 Estimated Purge Volume (liters): 9.6

Sample ID: SW-02S Sample Time: 0930 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
916	6.90	7.9	.298	7.82	0.0	99	800	12.42
918	6.89	7.9	.298	7.41	0.0	98	800	12.42
920	6.89	7.9	.297	7.24	0.0	97	800	12.42
922	6.90	7.8	.297	7.15	0.0	97	800	12.42
924	6.90	7.8	.297	6.86	0.0	97	800	12.42
926	6.87	7.8	.296	6.78	0.0	96	800	12.42
928	6.88	7.8	.295	6.66	0.0	96	800	12.42
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-02D

Sampling Personnel: C. Dusel, S. McCabe Date: 4/22/10 Company: URS Corporation

Purging/ Sampling Device: Grundfos Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 70.18 Depth to Well Bottom: 79.35 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.66 Estimated Purge Volume (liters): 10.8

Sample ID: SW-02D Sample Time: 1010 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
950	6.86	11.8	.458	2.23	62	44	600	7018
952	6.86	12.5	.458	2.20	59	34	600	70.25
954	6.86	12.8	.460	2.18	51	29	600	70.25
956	6.88	13.1	.463	2.14	41	21	600	70.25
958	6.90	13.1	.464	2.11	38	13	600	70.25
1000	6.93	13.3	.465	2.04	39	10	600	70.25
1002	6.96	13.3	.465	2.02	40	7	600	70.25
1004	6.97	13.2	.465	1.90	41	6	600	70.25
1006	6.98	13.1	.464	1.84	44	4	600	70.25
1008	6.99	13.1	.463	1.81	41	4	600	70.25
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-03

Sampling Personnel: C. Dusel, S. McCabe Date: 4/22/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 12.78 Depth to Well Bottom: 18.95 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 3.81 Estimated Purge Volume (liters): 7.0

Sample ID: SW-03 Sample Time: 0900 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
848	6.68	9.0	.538	6.81	45	97	700	12.78
850	6.73	9.0	.539	6.72	40	98	700	12.82
852	6.74	9.0	.540	6.72	38	99	700	12.82
854	6.78	8.9	.536	6.70	33	100	700	12.82
856	6.79	8.9	.525	6.69	27	100	700	12.82
858	6.81	8.9	.497	6.65	15	101	700	12.82
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft (vol $_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-04S

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 2.83 Depth to Well Bottom: 8.28 Well Diameter: 2" Screen Length: 8'

Casing Type: PVC Volume in 1 Well Casing (liters): 3.36 Estimated Purge Volume (liters): 5.2

Sample ID: SW-04S Sample Time: 1105 QA/QC: none

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1055	6.67	8.3	.521	0.0	54	-124	600	2.83
1057	6.57	8.0	.506	0.0	50	-146	500	2.91
1059	6.58	8.0	.509	0.0	25	-148	500	2.99
1101	6.59	8.0	.512	0.0	22	-150	500	3.03
1103	6.60	8.0	.517	0.0	8.8	-147	500	3.05
1105	6.63	8.0	.521	0.0	3.0	-150	500	3.04
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176167.00002 Site: Rose Valley Landfill Well #: SW-04D

Sampling Personnel: C. Dusel, S. McCabe Date: 4/21/10 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: > 10' Depth to Well Bottom: 83.60 Well Diameter: 2" Screen Length: 8'

Casing Type: PVC Volume in 1 Well Casing (liters): 51.58 Estimated Purge Volume (liters): 5.2

Sample ID: SW-04D Sample Time: 1235 QA/QC: MS and MSD

Sample Parameters: TCL VOC + TICs, TCL SVOC + TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1130	7.51	9.6	.182	4.86	121	-207	1000	0
1135	7.41	9.6	.180	3.88	69	-209	1000	0
1140	7.23	9.5	.180	4.61	131	-201	1000	0
1145	7.22	9.5	.179	4.62	122	-194	1000	0
1150	7.44	9.5	.178	4.46	114	-197	1000	0
1155	7.46	9.5	.179	4.23	94	-201	1000	0
1200	7.46	9.6	.178	3.83	83	-200	1000	0
1205	7.46	9.6	.178	3.81	76	-207	1000	0
1210	7.48	9.8	.178	3.72	64	-209	1000	0
1215	7.46	9.6	.178	4.48	45	-210	1000	0
1220	7.46	9.5	.176	4.41	44	-211	1000	0
1225	7.45	9.4	.177	4.53	31	-211	1000	0
1230	7.46	9.6	.177	3.05	43	-210	1000	0
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Comments: Artesian well. Water level was >10' above to of riser. Well riser extended 10' and water still overflowed.

APPENDIX C

PHOTOGRAPHIC LOG

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 1: Collection of surface water sample from South Detention Pond.

Photo 2: Close up of inlet pipe for South Detention Pond showing iron staining.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 3: Same location as Photo 2, with landfill in background.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

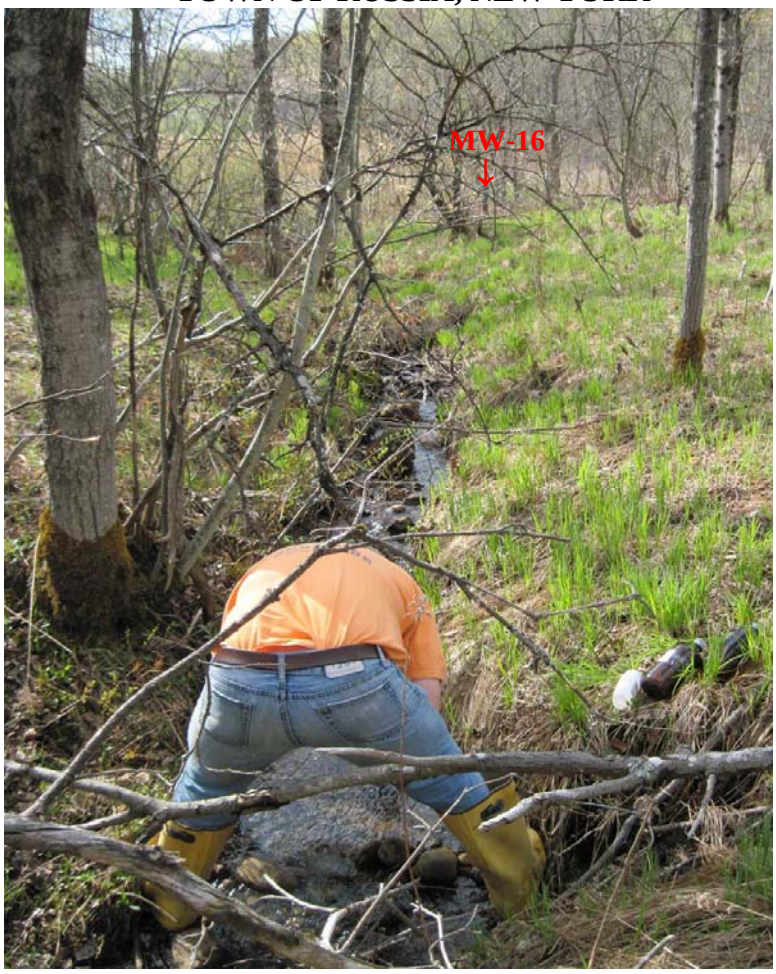


Photo 4: Surface water sample location SWTR-1E with MW-16 in the background.

Photo 5: Collection of surface water sample from location SWTR-1E.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 6: Path to surface water sample from location SWTR-1E was marked with flagging.

Photo 7: SWTR-1E location was marked with painted fencepost.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 8: Eroded area leading into North Detention Pond. Note – Erosion is occurring outside drainage channel.

Photo 9: Inlet of North Detention Pond. Sediment in basin. Erosion occurring outside drainage channel.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 10: Collection of surface water sample from North Detention Pond.

Photo 11: Collection of surface water sample from location SWTR-1T.

Photo 12: Low flow sampling setup at SW-04S.

Photo 13: Additional PVC riser added to SW-04D in an attempt to obtain a water level due to the artesian conditions of the well.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 14: Low flow sampling setup at MW-4.

Photo 15: Low flow sampling setup at MW-3.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 16: Erosion along west side of landfill looking north.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 17: Close up of erosion along west side of landfill. Erosion at toe drain interface has resulted in undermining of stone channel.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

Photo 18: Erosion along west side of landfill looking south. Erosion has occurred at toe drain/channel interface.

ROSE VALLEY LANDFILL OPERATION, MONITORING AND MAINTENANCE
PHOTOGRAPHIC LOG
TOWN OF RUSSIA, NEW YORK

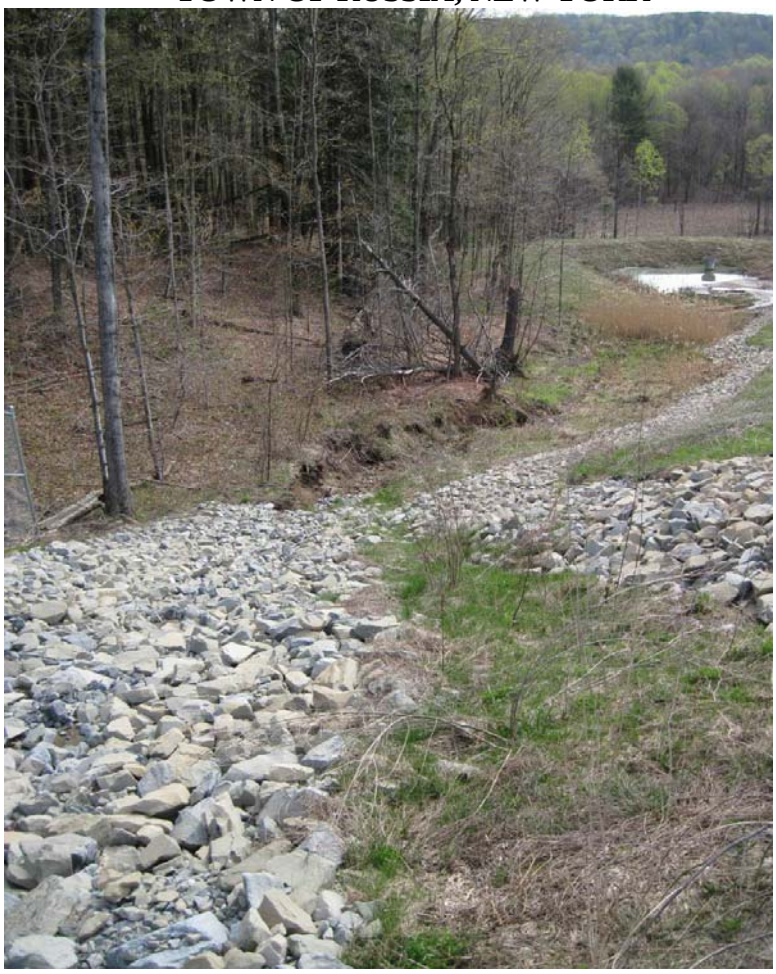


Photo 19: Erosion along north side of site looking east. Erosion has occurred north of stone lined channel.

APPENDIX D

DATA USABILITY SUMMARY REPORT

(On Compact Disk)

DATA USABILITY SUMMARY REPORT

ROSE VALLEY LANDFILL
SITE ID NO. 6-22-017
RUSSIA,
HERKIMER COUNTY, NEW YORK,

Analyses Performed by:

TESTAMERICA LABORATORIES, INC.
AMHERST, NEW YORK

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

JULY 2010

TABLE OF CONTENTS

TABLES

(Following Text)

ATTACHMENTS

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Analytical data for 14 samples plus quality control (QC) collected April 20-22, 2010 are discussed in this DUSR. The samples were collected in support of the site management task assigned to URS under NYSDEC Work Assignment D004440-26 for the Rose Valley Landfill Site, Site Number 6-22-017, located in the town of Russia, Herkimer County, New York.

II. SAMPLE COLLECTION

On April 20-22, 2010, 10 groundwater samples, one blind field duplicate and one matrix spike/matrix spike duplicate (MS/MSD) pair, 4 surface water samples, one blind field duplicate and one MS/MSD pair, and one trip blank were collected from the site. The samples were sent to TestAmerica Laboratories, Inc., located in Amherst, New York (TestAmerica-Buffalo) under NYSDEC Project No. NY5A946109. TestAmerica-Buffalo is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory.

III. ANALYTICAL METHODOLOGIES AND DATA VALIDATION

All samples were analyzed for the following parameters.

Parameter	**Method Number**
Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus tentatively identified compounds (TICs)	SW8260B
TCL Semivolatile Organic Compounds (SVOCs) plus TICs	SW8270C
Target Analyte List (TAL) Metals	SW6010B/7470A

The trip blank was analyzed only for TCL VOCs plus TICs.

A limited data validation was performed on the samples following the guidelines in the following USEPA Region II documents:

- Validating Volatile Organic Compounds by SW-846 Method 8260B, HW-24, Revision 2, August 2008;
- Validating Semivolatile Organic Compounds by SW-846 Method 8270, HW-22, Revision 4, August 2008; and
- Evaluation of Metals Data for the CLP Program based on SOW ILMO5.3, SOP HW-2, Revision 13, September 2006.

The limited data review included a review of completeness of all required deliverables; holding times; QC results (blanks, instrument tunes, calibration standards, MS/MSD recoveries, duplicate analyses, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data include 'UJ' (estimated quantitation limit). A summary of qualifications made to the data is presented in Table 1. The complete analytical results are provided in Tables 2 and 3 for groundwater and surface water, respectively. Table 4 provides Class C surface water criteria for those compounds that require calculations to determine sample specific Class C criteria. Field QC results are provided in Table 5. Copies of the validated laboratory results (i.e., Form 1s) are presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only problems affecting data usability are discussed in this report.

IV. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., equivalent to NYSDEC ASP Category B) were provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

V. SAMPLE RECEIPT/HOLDING TIMES

All samples were received by the laboratory intact, under proper chain-of-custody and were analyzed within the required holding times

VI. NON-CONFORMANCES

Instrument Calibration

The percent difference (%D) between the initial calibration (ICAL) average relative response factor (RRF) and the RRF in the continuing calibration (CCAL) standards was greater than 20% for the VOCs 1,2-dibromo-3-chloropropane, bromoform and bromomethane.. The results for these compounds were qualified 'UJ' in all samples.

The %D between the ICAL average RRF and the RRF in the CCAL standards was greater than 20% for the SVOC atrazine. The results for atrazine were qualified 'UJ' in all samples.

Documentation supporting the qualification of data (i.e., Forms 5, 7) is presented in Attachment B.

Field Duplicates

The relative percent difference (RPD) between sample and field duplicate results was greater than 20% for the metal manganese in samples SDP and DUP-1 and iron in samples SW-01D and DUP-2. The results for manganese in samples SDP and DUP-1 and iron in samples SW-01D and DUP 2 were qualified 'J', per the validation guidelines. Documentation supporting the qualification of data (i.e., field duplicate comparison) is presented in Attachment B

VII. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements and were adjusted for sample volume. Results reported where the concentration detected was below the QL, but greater than the method detection limit (MDL), are qualified 'J' by the laboratory.

Field duplicate sample were collected at location SDP (DUP-1) and SW-01D (DUP-2). The results were generally in agreement.

VIII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'J' (estimated concentration) or 'UJ' (estimated quantitation limit) are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the re-collection of any samples at this time.

Prepared By: **George Kisluk, Senior Chemist** **Date:** 8/24/10

Reviewed By: **Mary Bitka, Principal Chemist** due per MED **Date:** 8/24/10

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
ROSE VALLEY LANDFILL

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
All samples	VOA	%D between the ICAL average RRF and the CCAL RRF >20% for 1,2-dibromo-3-chloropropane, bromoform and bromomethane.	Qualify non-detect results 'UJ'.
All Samples	SVOA	%D between the ICAL average RRF and the CCAL RRF >20% for atrazine.	Qualify non-detect results 'UJ'.
SDP, DUP-1	Metals	RPD between parent sample and field duplicate greater than 20% for manganese.	Qualify results 'J'.
SW-01D, DUP-2	Metals	RPD between parent sample and field duplicate greater than 20% for iron.	Qualify results 'J'.

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5	2.3	9.3	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	0.04	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	6.00E-04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5	7.1	2.3	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	UG/L	50	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- = No standard or guidance value.

J - The reported concentration is an estimated value.

U or ND - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Volatile Organic Compounds							
Bromomethane	UG/L	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	UG/L	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	5	0.75 J	0.86 J	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	UG/L	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Volatile Organic Compounds							
Total Volatile Organic Compounds	UG/L	-	10.15	12.46	ND	ND	ND
Semivolatile Organic Compounds							
1,1'-Biphenyl	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,2'-oxybis(1-Chloropropane)	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4,5-Trichlorophenol	UG/L	1	24 U	24 U	24 U	24 U	24 U
2,4,6-Trichlorophenol	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dimethylphenol	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dinitrophenol	UG/L	10	47 U	47 U	47 U	47 U	47 U
2,4-Dinitrotoluene	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	UG/L	10	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chlorophenol	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylphenol (o-cresol)	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Nitroaniline	UG/L	5	47 U	47 U	47 U	47 U	47 U
2-Nitrophenol	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	UG/L	5	19 U	19 U	19 U	19 U	19 U
3-Nitroaniline	UG/L	5	47 U	47 U	47 U	47 U	47 U
4,6-Dinitro-2-methylphenol	UG/L	1	47 U	47 U	47 U	47 U	47 U
4-Bromophenyl-phenylether	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenyl-phenylether	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
4-Methylphenol (p-cresol)	UG/L	1	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
4-Nitroaniline	UG/L	5	47 U	47 U	47 U	47 U	47 U
4-Nitrophenol	UG/L	1	47 U	47 U	47 U	47 U	47 U
Acenaphthene	UG/L	20	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Acenaphthylene	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Acetophenone	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Anthracene	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Atrazine	UG/L	7.5	9.4 UJ	9.4 UJ	9.4 UJ	9.4 UJ	9.4 UJ
Benzaldehyde	UG/L	-	47 U	47 U	47 U	47 U	47 U
Benzo(a)anthracene	UG/L	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Benzo(a)pyrene	UG/L	ND	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Benzo(b)fluoranthene	UG/L	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Benzo(g,h,i)perylene	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Benzo(k)fluoranthene	UG/L	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethoxy)methane	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Chloroethyl)ether	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
bis(2-Ethylhexyl)phthalate	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Butylbenzylphthalate	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Caprolactam	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Carbazole	UG/L	-	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Chrysene	UG/L	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dibenz(a,h)anthracene	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dibenzofuran	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Diethylphthalate	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
Dimethylphthalate	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-octylphthalate	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluoranthene	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluorene	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachlorobenzene	UG/L	0.04	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachlorobutadiene	UG/L	0.5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachlorocyclopentadiene	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	UG/L	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Isophorone	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	UG/L	10	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Nitrobenzene	UG/L	0.4	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
N-Nitroso-di-n-propylamine	UG/L	-	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
N-Nitrosodiphenylamine	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Pentachlorophenol	UG/L	1	47 U	47 U	47 U	47 U	47 U
Phenanthrene	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Phenol	UG/L	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Pyrene	UG/L	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Total Semivolatile Organic Compounds	UG/L	-	ND	ND	ND	ND	ND
Metals							
Aluminum	UG/L	-	200 U	200 U	200 U	200 U	200 U
Antimony	UG/L	3	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	UG/L	25	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			MW-03	MW-04	MW-16	SW-01D	SW-01D
Sample ID			MW-03	MW-04	MW-16	DUP-2	SW-01D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/21/10	04/21/10	04/21/10	04/21/10
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Metals							
Barium	UG/L	1000	47.6	16.0	31.0	71.2	70.2
Beryllium	UG/L	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Calcium	UG/L	-	225,000	171,000	77,900	28,600	27,600
Chromium	UG/L	50	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Cobalt	UG/L	-	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Copper	UG/L	200	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Iron	UG/L	300	252	1,050	16,600	292 J	631 J
Lead	UG/L	25	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Magnesium	UG/L	35000	18,600	31,700	8,150	14,000	13,500
Manganese	UG/L	300	2,450	525	1,090	8.8	11.8
Mercury	UG/L	0.7	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	UG/L	100	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	UG/L	-	3,320	1,130	500 U	1,940	1,890
Selenium	UG/L	10	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Silver	UG/L	50	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Sodium	UG/L	20000	3,800	14,100	5,800	10,200	9,900
Thallium	UG/L	0.5	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Zinc	UG/L	2000	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- = No standard or guidance value.

J - The reported concentration is an estimated value.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1.0 U	1.0 U	1.9	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	0.04	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	6.00E-04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	UG/L	50	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Bromomethane	UG/L	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	UG/L	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	UG/L	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Total Volatile Organic Compounds	UG/L	-	ND	ND	1.9	ND	ND
Semivolatile Organic Compounds							
1,1'-Biphenyl	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2,2'-oxybis(1-Chloropropane)	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2,4,5-Trichlorophenol	UG/L	1	24 U	24 U	24 U	24 U	24 U
2,4,6-Trichlorophenol	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2,4-Dichlorophenol	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2,4-Dimethylphenol	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2,4-Dinitrophenol	UG/L	10	47 U	47 U	48 U	47 U	48 U
2,4-Dinitrotoluene	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2,6-Dinitrotoluene	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2-Chloronaphthalene	UG/L	10	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2-Chlorophenol	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2-Methylnaphthalene	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2-Methylphenol (o-cresol)	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
2-Nitroaniline	UG/L	5	47 U	47 U	48 U	47 U	48 U
2-Nitrophenol	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
3,3'-Dichlorobenzidine	UG/L	5	19 U	19 U	19 U	19 U	19 U
3-Nitroaniline	UG/L	5	47 U	47 U	48 U	47 U	48 U
4,6-Dinitro-2-methylphenol	UG/L	1	47 U	47 U	48 U	47 U	48 U
4-Bromophenyl-phenylether	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
4-Chloro-3-methylphenol	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
4-Chloroaniline	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
4-Chlorophenyl-phenylether	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
4-Methylphenol (p-cresol)	UG/L	1	4.7 U	4.7 U	4.8 U	4.7 U	4.8 U
4-Nitroaniline	UG/L	5	47 U	47 U	48 U	47 U	48 U
4-Nitrophenol	UG/L	1	47 U	47 U	48 U	47 U	48 U
Acenaphthene	UG/L	20	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Acenaphthylene	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Acetophenone	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Anthracene	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Atrazine	UG/L	7.5	9.4 UJ	9.4 UJ	9.5 UJ	9.4 UJ	9.5 UJ
Benzaldehyde	UG/L	-	47 U	47 U	48 U	47 U	48 U
Benzo(a)anthracene	UG/L	0.002	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Benzo(a)pyrene	UG/L	ND	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Benzo(b)fluoranthene	UG/L	0.002	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Benzo(g,h,i)perylene	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Benzo(k)fluoranthene	UG/L	0.002	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
bis(2-Chloroethoxy)methane	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
bis(2-Chloroethyl)ether	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
bis(2-Ethylhexyl)phthalate	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Butylbenzylphthalate	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Caprolactam	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Carbazole	UG/L	-	4.7 U	4.7 U	4.8 U	4.7 U	4.8 U
Chrysene	UG/L	0.002	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Dibenz(a,h)anthracene	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Dibenzofuran	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Diethylphthalate	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Dimethylphthalate	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Di-n-butylphthalate	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Di-n-octylphthalate	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Fluoranthene	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Fluorene	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Hexachlorobenzene	UG/L	0.04	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Hexachlorobutadiene	UG/L	0.5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Hexachlorocyclopentadiene	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Hexachloroethane	UG/L	5	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Isophorone	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Naphthalene	UG/L	10	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Nitrobenzene	UG/L	0.4	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
N-Nitroso-di-n-propylamine	UG/L	-	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
N-Nitrosodiphenylamine	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Pentachlorophenol	UG/L	1	47 U	47 U	48 U	47 U	48 U
Phenanthrene	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Phenol	UG/L	1	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Pyrene	UG/L	50	9.4 U	9.4 U	9.5 U	9.4 U	9.5 U
Total Semivolatile Organic Compounds	UG/L	-	ND	ND	ND	ND	ND
Metals							
Aluminum	UG/L	-	5,830	443	200 U	200 U	1,800
Antimony	UG/L	3	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	UG/L	25	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Sample ID			SW-01S	SW-02D	SW-02S	SW-03S	SW-04D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/21/10	04/22/10	04/22/10	04/22/10	04/21/10
Parameter	**Units**	**Criteria***					
Metals							
Barium	UG/L	1000	33.4	65.7	2.9	8.8	14.7
Beryllium	UG/L	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	2.4
Calcium	UG/L	-	109,000	62,800	57,400	74,400	12,200
Chromium	UG/L	50	6.9	4.1	4.0 U	4.0 U	4.0 U
Cobalt	UG/L	-	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Copper	UG/L	200	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Iron	UG/L	300	3,700	433	50.0 U	50.0 U	1,630
Lead	UG/L	25	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Magnesium	UG/L	35000	4,000	22,300	2,240	3,040	1,960
Manganese	UG/L	300	50.5	10.2	3.0 U	3.0 U	38.7
Mercury	UG/L	0.7	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	UG/L	100	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	UG/L	-	2,080	1,870	500 U	1,910	1,170
Selenium	UG/L	10	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Silver	UG/L	50	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Sodium	UG/L	20000	2,100	7,500	1,000	22,600	32,000
Thallium	UG/L	0.5	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	UG/L	-	6.6	5.0 U	5.0 U	5.0 U	5.0 U
Zinc	UG/L	2000	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	5	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	5	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	1.0 U
1,1,2-Trichloroethane	UG/L	1	1.0 U
1,1-Dichloroethane	UG/L	5	1.0 U
1,1-Dichloroethene	UG/L	5	1.0 U
1,2,4-Trichlorobenzene	UG/L	5	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	0.04	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	6.00E-04	1.0 U
1,2-Dichlorobenzene	UG/L	3	1.0 U
1,2-Dichloroethane	UG/L	0.6	1.0 U
1,2-Dichloroethene (cis)	UG/L	5	1.0 U
1,2-Dichloroethene (trans)	UG/L	5	1.0 U
1,2-Dichloropropane	UG/L	1	1.0 U
1,3-Dichlorobenzene	UG/L	3	1.0 U
1,3-Dichloropropene (cis)	UG/L	0.4	1.0 U
1,3-Dichloropropene (trans)	UG/L	0.4	1.0 U
1,4-Dichlorobenzene	UG/L	3	1.0 U
2-Hexanone	UG/L	50	5.0 U
4-Methyl-2-pentanone	UG/L	-	5.0 U
Acetone	UG/L	50	5.0 U
Benzene	UG/L	1	1.0 U
Bromodichloromethane	UG/L	50	1.0 U
Bromoform	UG/L	50	1.0 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
Bromomethane	UG/L	5	1.0 UJ
Carbon disulfide	UG/L	60	1.0 U
Carbon tetrachloride	UG/L	5	1.0 U
Chlorobenzene	UG/L	5	1.0 U
Chloroethane	UG/L	5	1.0 U
Chloroform	UG/L	7	1.0 U
Chloromethane	UG/L	5	1.0 U
Cyclohexane	UG/L	-	1.0 U
Dibromochloromethane	UG/L	50	1.0 U
Dichlorodifluoromethane	UG/L	5	1.0 U
Ethylbenzene	UG/L	5	1.0 U
Isopropylbenzene (Cumene)	UG/L	5	1.0 U
Methyl acetate	UG/L	-	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	5.0 U
Methyl tert-butyl ether	UG/L	10	1.0 U
Methylcyclohexane	UG/L	-	1.0 U
Methylene chloride	UG/L	5	1.0 U
Styrene	UG/L	5	1.0 U
Tetrachloroethene	UG/L	5	1.0 U
Toluene	UG/L	5	1.0 U
Trichloroethene	UG/L	5	1.0 U
Trichlorofluoromethane	UG/L	5	1.0 U
Vinyl chloride	UG/L	2	1.0 U
Xylene (total)	UG/L	5	2.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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Concentration Exceeds Criteria

- = No standard or guidance value.

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
Total Volatile Organic Compounds	UG/L	-	ND
Semivolatile Organic Compounds			
1,1'-Biphenyl	UG/L	5	9.4 U
2,2'-oxybis(1-Chloropropane)	UG/L	5	9.4 U
2,4,5-Trichlorophenol	UG/L	1	24 U
2,4,6-Trichlorophenol	UG/L	1	9.4 U
2,4-Dichlorophenol	UG/L	5	9.4 U
2,4-Dimethylphenol	UG/L	50	9.4 U
2,4-Dinitrophenol	UG/L	10	47 U
2,4-Dinitrotoluene	UG/L	5	9.4 U
2,6-Dinitrotoluene	UG/L	5	9.4 U
2-Chloronaphthalene	UG/L	10	9.4 U
2-Chlorophenol	UG/L	1	9.4 U
2-Methylnaphthalene	UG/L	-	9.4 U
2-Methylphenol (o-cresol)	UG/L	1	9.4 U
2-Nitroaniline	UG/L	5	47 U
2-Nitrophenol	UG/L	1	9.4 U
3,3'-Dichlorobenzidine	UG/L	5	19 U
3-Nitroaniline	UG/L	5	47 U
4,6-Dinitro-2-methylphenol	UG/L	1	47 U
4-Bromophenyl-phenylether	UG/L	-	9.4 U
4-Chloro-3-methylphenol	UG/L	1	9.4 U
4-Chloroaniline	UG/L	5	9.4 U
4-Chlorophenyl-phenylether	UG/L	-	9.4 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Semivolatile Organic Compounds			
4-Methylphenol (p-cresol)	UG/L	1	4.7 U
4-Nitroaniline	UG/L	5	47 U
4-Nitrophenol	UG/L	1	47 U
Acenaphthene	UG/L	20	9.4 U
Acenaphthylene	UG/L	-	9.4 U
Acetophenone	UG/L	-	9.4 U
Anthracene	UG/L	50	9.4 U
Atrazine	UG/L	7.5	9.4 UJ
Benzaldehyde	UG/L	-	47 U
Benzo(a)anthracene	UG/L	0.002	9.4 U
Benzo(a)pyrene	UG/L	ND	9.4 U
Benzo(b)fluoranthene	UG/L	0.002	9.4 U
Benzo(g,h,i)perylene	UG/L	-	9.4 U
Benzo(k)fluoranthene	UG/L	0.002	9.4 U
bis(2-Chloroethoxy)methane	UG/L	5	9.4 U
bis(2-Chloroethyl)ether	UG/L	1	9.4 U
bis(2-Ethylhexyl)phthalate	UG/L	5	9.4 U
Butylbenzylphthalate	UG/L	50	9.4 U
Caprolactam	UG/L	-	9.4 U
Carbazole	UG/L	-	4.7 U
Chrysene	UG/L	0.002	9.4 U
Dibenz(a,h)anthracene	UG/L	-	9.4 U
Dibenzofuran	UG/L	-	9.4 U
Diethylphthalate	UG/L	50	9.4 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Semivolatile Organic Compounds			
Dimethylphthalate	UG/L	50	9.4 U
Di-n-butylphthalate	UG/L	50	9.4 U
Di-n-octylphthalate	UG/L	50	9.4 U
Fluoranthene	UG/L	50	9.4 U
Fluorene	UG/L	50	9.4 U
Hexachlorobenzene	UG/L	0.04	9.4 U
Hexachlorobutadiene	UG/L	0.5	9.4 U
Hexachlorocyclopentadiene	UG/L	5	9.4 U
Hexachloroethane	UG/L	5	9.4 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	9.4 U
Isophorone	UG/L	50	9.4 U
Naphthalene	UG/L	10	9.4 U
Nitrobenzene	UG/L	0.4	9.4 U
N-Nitroso-di-n-propylamine	UG/L	-	9.4 U
N-Nitrosodiphenylamine	UG/L	50	9.4 U
Pentachlorophenol	UG/L	1	47 U
Phenanthrene	UG/L	50	9.4 U
Phenol	UG/L	1	9.4 U
Pyrene	UG/L	50	9.4 U
Total Semivolatile Organic Compounds	UG/L	-	ND
Metals			
Aluminum	UG/L	-	336
Antimony	UG/L	3	20.0 U
Arsenic	UG/L	25	10.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			SW-04S
Sample ID			SW-04S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			04/21/10
Parameter	**Units**	**Criteria***	
Metals			
Barium	UG/L	1000	26.1
Beryllium	UG/L	3	2.0 U
Cadmium	UG/L	5	1.0 U
Calcium	UG/L	-	92,700
Chromium	UG/L	50	4.0 U
Cobalt	UG/L	-	4.0 U
Copper	UG/L	200	10.0 U
Iron	UG/L	300	8,870
Lead	UG/L	25	5.0 U
Magnesium	UG/L	35000	6,900
Manganese	UG/L	300	2,080
Mercury	UG/L	0.7	0.20 U
Nickel	UG/L	100	10.0 U
Potassium	UG/L	-	1,940
Selenium	UG/L	10	15.0 U
Silver	UG/L	50	3.0 U
Sodium	UG/L	20000	4,300
Thallium	UG/L	0.5	20.0 U
Vanadium	UG/L	-	5.0 U
Zinc	UG/L	2000	10.0 U

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Made By: GEK 07/01/2010 Checked By: AMK 07/02/2010

Detection Limits shown are PQL

TABLE 3
VALIDATED SURFACE WATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	9.4
Benzene	UG/L	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	UG/L	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- = No standard or guidance value. Diss = dissolved. Hard = hardness. Calc = calculated. The calculated criteria are provided in Table 4.

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Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

TABLE 3
VALIDATED SURFACE WATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Volatile Organic Compounds							
Bromomethane	UG/L	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	5	1.0 U	1.0 U	1.0 U	1.0 U	0.75 J
Chloroethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	2.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	40	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	65	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

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Detection Limits shown are PQL

TABLE 3
VALIDATED SURFACE WATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Semivolatile Organic Compounds							
1,1'-Biphenyl	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2,2'-oxybis(1-Chloropropane)	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2,4,5-Trichlorophenol	UG/L	1	24 U	24 U	25 U	24 U	24 U
2,4,6-Trichlorophenol	UG/L	1	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2,4-Dichlorophenol	UG/L	1	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2,4-Dimethylphenol	UG/L	5	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2,4-Dinitrophenol	UG/L	5	48 U	49 U	49 U	47 U	48 U
2,4-Dinitrotoluene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2,6-Dinitrotoluene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2-Chloronaphthalene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2-Chlorophenol	UG/L	1	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2-Methylnaphthalene	UG/L	4.7	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2-Methylphenol (o-cresol)	UG/L	5	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
2-Nitroaniline	UG/L	-	48 U	49 U	49 U	47 U	48 U
2-Nitrophenol	UG/L	5	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
3,3'-Dichlorobenzidine	UG/L	-	19 U	19 U	20 U	19 U	19 U
3-Nitroaniline	UG/L	-	48 U	49 U	49 U	47 U	48 U
4,6-Dinitro-2-methylphenol	UG/L	5	48 U	49 U	49 U	47 U	48 U
4-Bromophenyl-phenylether	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
4-Chloro-3-methylphenol	UG/L	1	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
4-Chloroaniline	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
4-Chlorophenyl-phenylether	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
4-Methylphenol (p-cresol)	UG/L	5	4.8 U	4.9 U	4.9 U	4.7 U	4.8 U
4-Nitroaniline	UG/L	-	48 U	49 U	49 U	47 U	48 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

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Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

TABLE 3
VALIDATED SURFACE WATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Semivolatile Organic Compounds							
4-Nitrophenol	UG/L	5	48 U	49 U	49 U	47 U	48 U
Acenaphthene	UG/L	5.3	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Acenaphthylene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Acetophenone	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Anthracene	UG/L	3.8	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Atrazine	UG/L	-	9.6 UJ	9.7 UJ	9.8 UJ	9.4 UJ	9.6 UJ
Benzaldehyde	UG/L	-	48 U	49 U	49 U	47 U	48 U
Benzo(a)anthracene	UG/L	0.03	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Benzo(a)pyrene	UG/L	0.0012	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Benzo(b)fluoranthene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Benzo(g,h,i)perylene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Benzo(k)fluoranthene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
bis(2-Chloroethoxy)methane	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
bis(2-Chloroethyl)ether	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
bis(2-Ethylhexyl)phthalate	UG/L	0.6	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Butylbenzylphthalate	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Caprolactam	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Carbazole	UG/L	-	4.8 U	4.9 U	4.9 U	4.7 U	4.8 U
Chrysene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Dibenz(a,h)anthracene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Dibenzofuran	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Diethylphthalate	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Dimethylphthalate	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Di-n-butylphthalate	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- = No standard or guidance value. Diss = dissolved. Hard = hardness. Calc = calculated. The calculated criteria are provided in Table 4.

J - The reported concentration is an estimated value.

U or ND - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

TABLE 3
VALIDATED SURFACE WATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Semivolatile Organic Compounds							
Di-n-octylphthalate	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Fluoranthene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Fluorene	UG/L	0.54	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Hexachlorobenzene	UG/L	3.00E-04	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Hexachlorobutadiene	UG/L	0.01	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Hexachlorocyclopentadiene	UG/L	0.45	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Hexachloroethane	UG/L	0.6	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Indeno(1,2,3-cd)pyrene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Isophorone	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Naphthalene	UG/L	13	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Nitrobenzene	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
N-Nitroso-di-n-propylamine	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
N-Nitrosodiphenylamine	UG/L	-	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Pentachlorophenol	UG/L	calc	48 U	49 U	49 U	47 U	48 U
Phenanthrene	UG/L	5	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Phenol	UG/L	5	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Pyrene	UG/L	4.6	9.6 U	9.7 U	9.8 U	9.4 U	9.6 U
Metals							
Aluminum	UG/L	100 ionic	200 U	1,570	1,460	200 U	200 U
Antimony	UG/L	-	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	UG/L	150 dissolved	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Barium	UG/L	-	32.5	51.8	49.7	22.3	117
Beryllium	UG/L	1100 hard >75ppm	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	UG/L	calc, diss	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

- = No standard or guidance value. Diss = dissolved. Hard = hardness. Calc = calculated. The calculated criteria are provided in Table 4.

J - The reported concentration is an estimated value.

U or ND - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

TABLE 3
VALIDATED SURFACE WATER SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID			NDP	SDP	SDP	SWTR-1E	SWTR-1T
Sample ID			NDP	DUP-1	SDP	SWTR-1E	SWTR-1T
Matrix			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/20/10	04/20/10	04/20/10	04/20/10	04/21/10
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Metals							
Calcium	UG/L	-	123,000	77,200	74,600	88,400	122,000
Chromium	UG/L	calc, diss	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Cobalt	UG/L	5	4.0 U	4.0 U	4.0 U	4.0 U	7.1
Copper	UG/L	calc, diss	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Iron	UG/L	300	1,650	2,790	2,360	230	10,500
Lead	UG/L	calc, diss	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Magnesium	UG/L	-	15,900	16,200	15,800	12,800	26,100
Manganese	UG/L	-	720	101 J	71.3 J	25.4	385
Mercury	UG/L	7.00E-04 dissolved	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	UG/L	calc, diss	10.0 U	10.0 U	10.0 U	10.0 U	12.0
Potassium	UG/L	-	3,700	7,760	7,650	5,570	70,800
Selenium	UG/L	4.6 dissolved	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Silver	UG/L	0.1 ionic	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Sodium	UG/L	-	4,000	6,200	6,100	6,600	65,400
Thallium	UG/L	8	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	UG/L	14	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Zinc	UG/L	calc, diss	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Miscellaneous Parameters							
Hardness (calculated)	MG/L	-	373	259	251	273	412

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

- = No standard or guidance value. Diss = dissolved. Hard = hardness. Calc = calculated. The calculated criteria are provided in Table 4.

J - The reported concentration is an estimated value.

U or ND - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.

Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

TABLE 4
CRITERIA FOR CLASS C SURFACE WATERS REQUIRING CALCULATION
ROSE VALLEY LANDFILL

Sample ID		Criteria Applies To	NDP		DUP-1 (SDP)		SDP		SWTR-1E		SWTR-1T	
	Units		Criteria	Result	Criteria	Result	Criteria	Result	Criteria	Result	Criteria	Result
Semivolatile Organic Compounds												
Pentachlorophenol	UG/L	Total	6.7	48 U	6.7	49 U	6.7	49 U	6.7	47 U	6.7	48 U
Metals												
Hardness (calculated)	MG/L	Not applicable	--	373	--	259	--	251	--	273	--	412
Beryllium	UG/L	Hardness > 75 MG/L	1,100	2.0 U	1,100	2.0 U	1,100	2.0 U	1,100	2.0 U	1,100	2.0 U
Cadmium	UG/L	Dissolved form	5.9	1.0 U	4.4	1.0 U	4.3	1.0 U	4.6	1.0 U	6.4	1.0 U
Chromium	UG/L	Dissolved form	218	4.0 U	162	4.0 U	158	4.0 U	169	4.0 U	236	4.0 U
Copper	UG/L	Dissolved form	27.6	10.0 U	20.2	10.0 U	19.7	10.0 U	21.2	10.0 U	30.0	10.0 U
Lead	UG/L	Dissolved form	15.3	5.0 U	10.5	5.0 U	10.2	5.0 U	11.1	5.0 U	17.0	5.0 U
Nickel	UG/L	Dissolved form	158	10.0 U	117	10.0 U	113	10.0 U	122	10.0 U	172	12.0
Zinc	UG/L	Dissolved form	253	10.0 U	186	10.0 U	181	10.0 U	194	10.0 U	275	10.0 U

Criteria:
NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class C.
Criteria for pentachlorophenol is based on the assumption that the pH of the water is 7.0.

U - Not detected above the sample quantitation limit.
-- - No criteria

Made By: GEK 08/02/2010
Checked By: PRF 08/06/2010

TABLE 5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID		FIELDQC
Sample ID		TRIP BLANK
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		04/22/10
Parameter	**Units**	Trip Blank (1-1)
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/L	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U
1,1-Dichloroethane	UG/L	1.0 U
1,1-Dichloroethene	UG/L	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U
1,2-Dichloroethane	UG/L	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U
1,2-Dichloropropane	UG/L	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U
2-Hexanone	UG/L	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U
Acetone	UG/L	5.0 U
Benzene	UG/L	1.0 U
Bromodichloromethane	UG/L	1.0 U
Bromoform	UG/L	1.0 UJ

Flags assigned during chemistry validation are shown.

U or ND - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.
Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

TABLE 5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
ROSE VALLEY LANDFILL

Location ID		FIELDQC
Sample ID		TRIP BLANK
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		04/22/10
Parameter	**Units**	Trip Blank (1-1)
Volatile Organic Compounds		
Bromomethane	UG/L	1.0 UJ
Carbon disulfide	UG/L	1.0 U
Carbon tetrachloride	UG/L	1.0 U
Chlorobenzene	UG/L	1.0 U
Chloroethane	UG/L	1.0 U
Chloroform	UG/L	1.0 U
Chloromethane	UG/L	1.0 U
Cyclohexane	UG/L	1.0 U
Dibromochloromethane	UG/L	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U
Ethylbenzene	UG/L	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U
Methyl acetate	UG/L	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U
Methylcyclohexane	UG/L	1.0 U
Methylene chloride	UG/L	1.0 U
Styrene	UG/L	1.0 U
Tetrachloroethene	UG/L	1.0 U
Toluene	UG/L	1.0 U
Trichloroethene	UG/L	1.0 U
Trichlorofluoromethane	UG/L	1.0 U
Vinyl chloride	UG/L	1.0 U
Xylene (total)	UG/L	2.0 U

Flags assigned during chemistry validation are shown.

U or ND - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value.
Made By: GEK 07/20/2010 Checked By: AMK 07/20/2010

Detection Limits shown are PQL

ATTACHMENT A

VALIDATED FORM 1s

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MW-03

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-14	File ID:	T9120.D
Sampled:	04/21/10 15:50	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 17:45
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	2.3	
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	~~U~~ ↓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	7.1	
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.75	J
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form Rev: 11/23/09

7/1/10

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MW-03

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-14	File ID:	T9120.D
Sampled:	04/21/10 15:50	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 17:45
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.3	93	66 - 137	
4-Bromofluorobenzene	25.0	20.6	83	73 - 120	
Toluene-d8	25.0	23.2	93	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	348142	9.86	604796	9.86	
1,4-Difluorobenzene	806372	5.68	1263836	5.68	
Chlorobenzene-d5	715924	7.95	1129078	7.95	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

MW-04

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-13 File ID: T9119.D

Sampled: 04/21/10 15:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 17:21

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	9.3	
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U ✓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	2.3	
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	0.86	J
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MW-04

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-13	File ID:	T9119.D
Sampled:	04/21/10 15:00	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 17:21
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.6	95	66 - 137	
4-Bromofluorobenzene	25.0	21.0	84	73 - 120	
Toluene-d8	25.0	23.2	93	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	357738	9.86	604796	9.86	
1,4-Difluorobenzene	827774	5.68	1263836	5.68	
Chlorobenzene-d5	734072	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MW-16

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-12 File ID: T9118.D

Sampled: 04/21/10 13:45 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 16:57

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	U ↓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MW-16

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-12 File ID: T9118.D

Sampled: 04/21/10 13:45 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 16:57

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.6	94	66 - 137	
4-Bromofluorobenzene	25.0	21.3	85	73 - 120	
Toluene-d8	25.0	22.4	90	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	363803	9.86	604796	9.86	
1,4-Difluorobenzene	822398	5.68	1263836	5.68	
Chlorobenzene-d5	741918	7.95	1129078	7.95	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

DUP-2

Field dup of SW-01

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-17 File ID: T9123.D

Sampled: 04/21/10 00:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 18:57

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U ↓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

5/11/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

DUP-2

Field dup of SW-01D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-17 File ID: T9123.D

Sampled: 04/21/10 00:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 18:57

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	*TENTATIVELY IDENTIFIED COMPOUND*	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	24.1	96	66 - 137	
4-Bromofluorobenzene	25.0	20.6	82	73 - 120	
Toluene-d8	25.0	23.0	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	358724	9.86	604796	9.86	
1,4-Difluorobenzene	810925	5.68	1263836	5.68	
Chlorobenzene-d5	729110	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-01D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-16 File ID: T9122.D

Sampled: 04/21/10 14:55 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 18:33

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-01D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-16 File ID: T9122.D

Sampled: 04/21/10 14:55 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 18:33

Solids: Preparation: 5030B MS *Initial/Final:* 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.7	95	66 - 137	
4-Bromofluorobenzene	25.0	21.2	85	73 - 120	
Toluene-d8	25.0	23.1	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	360399	9.86	604796	9.86	
1,4-Difluorobenzene	820670	5.68	1263836	5.68	
Chlorobenzene-d5	735543	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

SW-01S

8260B

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-15	File ID:	T9121.D
Sampled:	04/21/10 16:50	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 18:09
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U ✓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SW-01S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-15 File ID: T9121.D

Sampled: 04/21/10 16:50 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 18:09

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	24.4	98	66 - 137	
4-Bromofluorobenzene	25.0	20.7	83	73 - 120	
Toluene-d8	25.0	23.2	93	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	363587	9.86	604796	9.86	
1,4-Difluorobenzene	809273	5.68	1263836	5.68	
Chlorobenzene-d5	738115	7.95	1129078	7.95	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SW-02D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-20 File ID: T9126.D

Sampled: 04/22/10 10:10 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 20:09

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	~~U~~ J
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SW-02D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-20 File ID: T9126.D

Sampled: 04/22/10 10:10 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 20:09

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	24.2	97	66 - 137	
4-Bromofluorobenzene	25.0	20.9	84	73 - 120	
Toluene-d8	25.0	22.6	90	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	349803	9.86	604796	9.86	
1,4-Difluorobenzene	783829	5.68	1263836	5.68	
Chlorobenzene-d5	712004	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-02S

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-19	File ID:	T9125.D
Sampled:	04/22/10 09:30	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 19:45
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.9	
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	U ✓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-02S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-19 File ID: T9125.D

Sampled: 04/22/10 09:30 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 19:45

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.9	95	66 - 137	
4-Bromofluorobenzene	25.0	20.6	83	73 - 120	
Toluene-d8	25.0	22.8	91	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	352828	9.86	604796	9.86	
1,4-Difluorobenzene	794089	5.68	1263836	5.68	
Chlorobenzene-d5	734308	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-03S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-18 File ID: T9124.D

Sampled: 04/22/10 09:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 19:21

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U UJ
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form Rev: 11/23/09

5/11/10

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-03S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-18 File ID: T9124.D

Sampled: 04/22/10 09:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 19:21

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	24.0	96	66 - 137	
4-Bromofluorobenzene	25.0	20.7	83	73 - 120	
Toluene-d8	25.0	22.7	91	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	355124	9.86	604796	9.86	
1,4-Difluorobenzene	791540	5.68	1263836	5.68	
Chlorobenzene-d5	732293	7.95	1129078	7.95	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SW-04D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-09 File ID: T9115.D

Sampled: 04/21/10 12:35 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 15:44

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	~~U~~ V
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

7/1/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-04D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-09 File ID: T9115.D

Sampled: 04/21/10 12:35 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 15:44

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.6	94	66 - 137	
4-Bromofluorobenzene	25.0	21.0	84	73 - 120	
Toluene-d8	25.0	22.9	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	363793	9.86	604796	9.86	
1,4-Difluorobenzene	836650	5.68	1263836	5.68	
Chlorobenzene-d5	748658	7.95	1129078	7.95	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8260B

SW-04S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-08 File ID: T9114.D

Sampled: 04/21/10 11:05 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 15:20

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U ↓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

5/11/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SW-04S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-08 File ID: T9114.D

Sampled: 04/21/10 11:05 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 15:20

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.8	95	66 - 137	
4-Bromofluorobenzene	25.0	21.0	84	73 - 120	
Toluene-d8	25.0	22.2	89	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	368653	9.86	604796	9.86	
1,4-Difluorobenzene	832546	5.68	1263836	5.68	
Chlorobenzene-d5	756286	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-03

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-14	File ID:	V2340.D
Sampled:	04/21/10 15:50	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 04:53
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	U UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-03

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-14	File ID:	V2340.D
Sampled:	04/21/10 15:50	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 04:53
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.605	13	
none	Unknown02	11.638	7.1	
none	Unknown03	12.487	6.3	
none	Unknown04	12.519	26	
none	Unknown05	12.653	72	
none	Unknown06	13.304	13	
none	Unknown07	13.347	22	
none	Unknown08	13.368	18	
none	Unknown09	13.47	41	
none	Unknown10	13.748	7.5	
none	Unknown11	14.058	40	
none	Unknown12	14.08	20	
none	Unknown13	14.19	42	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-03

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-14	File ID:	V2340.D
Sampled:	04/21/10 15:50	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 04:53
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.602	7.6	
none	Unknown15	14.768	71	
none	Unknown16	14.79	32	
none	Unknown17	15.521	7.1	
none	Unknown18	15.553	15	
none	Unknown19	15.596	18	
none	Unknown20	16.63	8.4	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	123	87	52 - 132	
2-Fluorobiphenyl	94.3	66.2	70	48 - 120	
2-Fluorophenol	142	46.0	33	20 - 120	
Nitrobenzene-d5	94.3	59.4	63	46 - 120	
Phenol-d5	142	36.4	26	16 - 120	
p-Terphenyl-d14	94.3	56.5	60	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	75576	5.68	106427	5.68	
Acenaphthene-d10	169428	9.69	242116	9.69	
Chrysene-d12	395398	13.88	550996	13.88	
Naphthalene-d8	280915	7.41	393137	7.41	
Perylene-d12	332351	15.13	474227	15.13	
Phenanthrene-d10	313999	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-04

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-13 File ID: V2339.D

Sampled: 04/21/10 15:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 04:28

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	~~U~~ UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-04

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-13
File ID: V2339.D
Sampled: 04/21/10 15:00
Prepared: 04/25/10 08:00
Analyzed: 05/06/10 04:28
Solids:
Preparation: 3510C MB
Initial/Final: 1060 mL / 1 mL
Batch: 10D2326
Sequence: T001853
Calibration: R10E011
Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.606	6.0	
none	Unknown02	11.64	6.4	
none	Unknown03	12.466	5.4	
none	Unknown04	12.519	22	
none	Unknown05	12.65	43	
none	Unknown06	13.305	10	
none	Unknown07	13.35	17	
none	Unknown08	13.369	15	
none	Unknown09	13.475	39	
none	Unknown10	13.748	5.5	
none	Unknown11	14.058	32	
none	Unknown12	14.079	15	
none	Unknown13	14.191	29	

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-04

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-13 File ID: V2339.D

Sampled: 04/21/10 15:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 04:28

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.603	7.9	
none	Unknown15	14.76	52	
none	Unknown16	14.795	51	
none	Unknown17	14.91	40	
none	Unknown18	15.554	12	
none	Unknown19	15.596	13	
none	Unknown20	16.633	5.1	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	118	84	52 - 132	
2-Fluorobiphenyl	94.3	58.2	62	48 - 120	
2-Fluorophenol	142	38.4	27	20 - 120	
Nitrobenzene-d5	94.3	48.9	52	46 - 120	
Phenol-d5	142	32.7	23	16 - 120	
p-Terphenyl-d14	94.3	58.2	62	24 - 136	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	69810	5.68	106427	5.68	
Acenaphthene-d10	161724	9.69	242116	9.69	
Chrysene-d12	363389	13.88	550996	13.88	
Naphthalene-d8	263131	7.41	393137	7.41	
Perylene-d12	310948	15.13	474227	15.13	
Phenanthrene-d10	294841	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-16

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-12	File ID:	V2338.D
Sampled:	04/21/10 13:45	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 04:03
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	U UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-16

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-12	File ID:	V2338.D
Sampled:	04/21/10 13:45	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 04:03
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
000134-62-3	Diethyltoluamide	10.195	12	
none	Unknown01	11.616	6.9	
none	Unknown02	11.637	3.8	
none	Unknown03	12.519	15	
none	Unknown04	12.647	32	
none	Unknown05	13.304	7.6	
none	Unknown06	13.34	15	
none	Unknown07	13.37	11	
none	Unknown08	13.465	33	
none	Unknown09	13.491	50	
none	Unknown10	13.748	4.8	
none	Unknown11	14.079	63	
none	Unknown12	14.191	24	

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

MW-16

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-12	File ID:	V2338.D
Sampled:	04/21/10 13:45	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 04:03
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown13	14.271	3.9	
none	Unknown14	14.597	4.3	
none	Unknown15	14.763	14	
none	Unknown16	14.795	22	
none	Unknown17	15.516	3.8	
none	Unknown18	15.553	8.5	
none	Unknown19	15.596	10	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	120	85	52 - 132	
2-Fluorobiphenyl	94.3	58.6	62	48 - 120	
2-Fluorophenol	142	40.2	28	20 - 120	
Nitrobenzene-d5	94.3	53.1	56	46 - 120	
Phenol-d5	142	32.8	23	16 - 120	
p-Terphenyl-d14	94.3	60.5	64	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	72664	5.68	106427	5.68	
Acenaphthene-d10	169878	9.69	242116	9.69	
Chrysene-d12	385152	13.88	550996	13.88	
Naphthalene-d8	277142	7.41	393137	7.41	
Perylene-d12	324201	15.13	474227	15.13	
Phenanthrene-d10	308114	11.4	449522	11.4	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

DUP-2

Field dup of SW-01A

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-17	File ID:	V2343.D
Sampled:	04/21/10 00:00	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 06:07
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	~~U~~ UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-2

Field dup of SW-01A

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-17 File ID: V2343.D

Sampled: 04/21/10 00:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 06:07

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.605	13	
none	Unknown02	11.638	7.1	
none	Unknown03	12.519	28	
none	Unknown04	12.653	72	
none	Unknown05	13.304	13	
none	Unknown06	13.347	21	
none	Unknown07	13.374	18	
none	Unknown08	13.465	50	
none	Unknown09	13.748	7.2	
none	Unknown10	14.058	40	
none	Unknown11	14.079	19	
none	Unknown12	14.191	37	
none	Unknown13	14.741	21	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-2

Field dup of SW-01A

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-17 File ID: V2343.D

Sampled: 04/21/10 00:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 06:07

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.763	43	
none	Unknown15	14.795	62	
none	Unknown16	14.912	56	
none	Unknown17	15.521	7.3	
none	Unknown18	15.553	15	
none	Unknown19	15.596	18	
none	Unknown20	16.633	9.6	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	138	98	52 - 132	
2-Fluorobiphenyl	94.3	72.0	76	48 - 120	
2-Fluorophenol	142	55.8	39	20 - 120	
Nitrobenzene-d5	94.3	68.3	72	46 - 120	
Phenol-d5	142	44.5	31	16 - 120	
p-Terphenyl-d14	94.3	71.7	76	24 - 136	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	72775	5.68	106427	5.68	
Acenaphthene-d10	169235	9.69	242116	9.69	
Chrysene-d12	386228	13.88	550996	13.88	
Naphthalene-d8	275222	7.41	393137	7.41	
Perylene-d12	326460	15.13	474227	15.13	
Phenanthrene-d10	313154	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-01D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-16 File ID: V2342.D

Sampled: 04/21/10 14:55 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 05:43

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	U UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form Rev: 11/23/09

5/11/10

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-01D

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-16	File ID:	V2342.D
Sampled:	04/21/10 14:55	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 05:43
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.606	14	
none	Unknown02	11.64	7.8	
none	Unknown03	12.487	7.7	
none	Unknown04	12.519	29	
none	Unknown05	12.65	74	
none	Unknown06	13.304	14	
none	Unknown07	13.347	22	
none	Unknown08	13.368	19	
none	Unknown09	13.48	49	
none	Unknown10	13.748	7.4	
none	Unknown11	14.058	40	
none	Unknown12	14.079	16	
none	Unknown13	14.191	36	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-01D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-16 File ID: V2342.D

Sampled: 04/21/10 14:55 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 05:43

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.742	21	
none	Unknown15	14.763	37	
none	Unknown16	14.795	39	
none	Unknown17	15.516	6.8	
none	Unknown18	15.55	15	
none	Unknown19	15.6	18	
none	Unknown20	16.633	8.7	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	134	95	52 - 132	
2-Fluorobiphenyl	94.3	68.2	72	48 - 120	
2-Fluorophenol	142	50.0	35	20 - 120	
Nitrobenzene-d5	94.3	61.4	65	46 - 120	
Phenol-d5	142	39.7	28	16 - 120	
p-Terphenyl-d14	94.3	70.2	74	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	72748	5.68	106427	5.68	
Acenaphthene-d10	169035	9.69	242116	9.69	
Chrysene-d12	387385	13.88	550996	13.88	
Naphthalene-d8	276715	7.41	393137	7.41	
Perylene-d12	326712	15.13	474227	15.13	
Phenanthrene-d10	314142	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-01S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-15 File ID: V2341.D

Sampled: 04/21/10 16:50 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 05:18

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	~~U~~ UT
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form Rev: 11/23/09

5/14/10

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-01S

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-15	File ID:	V2341.D
Sampled:	04/21/10 16:50	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 05:18
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011	Instrument:	HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.461	6.5	
none	Unknown02	11.605	14	
none	Unknown03	11.638	7.4	
none	Unknown04	12.519	27	
none	Unknown05	12.65	53	
none	Unknown06	13.304	13	
none	Unknown07	13.342	24	
none	Unknown08	13.368	18	
none	Unknown09	13.475	50	
none	Unknown10	13.748	7.1	
none	Unknown11	14.058	41	
none	Unknown12	14.08	17	
none	Unknown13	14.191	38	

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-01S

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-15	File ID:	V2341.D
Sampled:	04/21/10 16:50	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 05:18
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.602	8.0	
none	Unknown15	14.76	71	
none	Unknown16	14.795	34	
none	Unknown17	15.521	7.5	
none	Unknown18	15.55	15	
none	Unknown19	15.596	17	
none	Unknown20	16.633	9.4	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	130	92	52 - 132	
2-Fluorobiphenyl	94.3	67.5	72	48 - 120	
2-Fluorophenol	142	48.6	34	20 - 120	
Nitrobenzene-d5	94.3	61.9	66	46 - 120	
Phenol-d5	142	40.5	29	16 - 120	
p-Terphenyl-d14	94.3	65.7	70	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	74054	5.68	106427	5.68	
Acenaphthene-d10	173318	9.69	242116	9.69	
Chrysene-d12	383609	13.88	550996	13.88	
Naphthalene-d8	281972	7.41	393137	7.41	
Perylene-d12	331787	15.13	474227	15.13	
Phenanthrene-d10	315428	11.4	449522	11.4	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SW-02D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-20 File ID: V2346.D

Sampled: 04/22/10 10:10 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 07:22

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	~~U~~ UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-02D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-20 File ID: V2346.D

Sampled: 04/22/10 10:10 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 07:22

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.606	19	
none	Unknown02	11.638	10	
none	Unknown03	12.487	9.5	
none	Unknown04	12.52	34	
none	Unknown05	12.653	63	
none	Unknown06	13.304	16	
none	Unknown07	13.347	25	
none	Unknown08	13.368	21	
none	Unknown09	13.47	61	
none	Unknown10	13.5	93	
none	Unknown11	13.748	8.6	
none	Unknown12	14.058	47	
none	Unknown13	14.08	22	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-02D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-20 File ID: V2346.D

Sampled: 04/22/10 10:10 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 07:22

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.19	48	
none	Unknown15	14.741	24	
none	Unknown16	14.763	40	
none	Unknown17	14.795	44	
none	Unknown18	15.554	16	
none	Unknown19	15.6	20	
none	Unknown20	16.63	11	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	138	98	52 - 132	
2-Fluorobiphenyl	94.3	74.6	79	48 - 120	
2-Fluorophenol	142	57.8	41	20 - 120	
Nitrobenzene-d5	94.3	71.7	76	46 - 120	
Phenol-d5	142	44.1	31	16 - 120	
p-Terphenyl-d14	94.3	66.4	70	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	70112	5.68	106427	5.68	
Acenaphthene-d10	162728	9.69	242116	9.69	
Chrysene-d12	369866	13.88	550996	13.88	
Naphthalene-d8	263105	7.41	393137	7.41	
Perylene-d12	320692	15.13	474227	15.13	
Phenanthrene-d10	297182	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-02S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-19 File ID: V2345.D

Sampled: 04/22/10 09:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 06:57

Solids: Preparation: 3510C MB Initial/Final: 1050 mL / 1 mL

Batch: 10D2326 Sequence: T001853 *Calibration:* R10E011 *Instrument:* HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.5	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.5	U
120-83-2	2,4-Dichlorophenol	1	9.5	U
105-67-9	2,4-Dimethylphenol	1	9.5	U
51-28-5	2,4-Dinitrophenol	1	48	U
121-14-2	2,4-Dinitrotoluene	1	9.5	U
606-20-2	2,6-Dinitrotoluene	1	9.5	U
91-58-7	2-Chloronaphthalene	1	9.5	U
95-57-8	2-Chlorophenol	1	9.5	U
91-57-6	2-Methylnaphthalene	1	9.5	U
95-48-7	2-Methylphenol	1	9.5	U
88-74-4	2-Nitroaniline	1	48	U
88-75-5	2-Nitrophenol	1	9.5	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	48	U
534-52-1	4,6-Dinitro-2-methylphenol	1	48	U
101-55-3	4-Bromophenyl phenyl ether	1	9.5	U
59-50-7	4-Chloro-3-methylphenol	1	9.5	U
106-47-8	4-Chloroaniline	1	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.5	U
106-44-5	4-Methylphenol	1	4.8	U
100-01-6	4-Nitroaniline	1	48	U
100-02-7	4-Nitrophenol	1	48	U
83-32-9	Acenaphthene	1	9.5	U
208-96-8	Acenaphthylene	1	9.5	U
98-86-2	Acetophenone	1	9.5	U
120-12-7	Anthracene	1	9.5	U
1912-24-9	Atrazine	1	9.5	~~U~~ UJ
100-52-7	Benzaldehyde	1	48	U
56-55-3	Benzo(a)anthracene	1	9.5	U
50-32-8	Benzo(a)pyrene	1	9.5	U
205-99-2	Benzo(b)fluoranthene	1	9.5	U
191-24-2	Benzo(ghi)perylene	1	9.5	U
207-08-9	Benzo(k)fluoranthene	1	9.5	U
92-52-4	Biphenyl	1	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.5	U
111-44-4	Bis(2-chloroethyl)ether	1	9.5	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.5	U

Form Rev: 11/23/09

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Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-02S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-19 File ID: V2345.D

Sampled: 04/22/10 09:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 06:57

Solids: Preparation: 3510C MB Initial/Final: 1050 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.5	U
105-60-2	Caprolactam	1	9.5	U
86-74-8	Carbazole	1	4.8	U
218-01-9	Chrysene	1	9.5	U
53-70-3	Dibenzo(a,h)anthracene	1	9.5	U
132-64-9	Dibenzofuran	1	9.5	U
84-66-2	Diethyl phthalate	1	9.5	U
131-11-3	Dimethyl phthalate	1	9.5	U
84-74-2	Di-n-butyl phthalate	1	9.5	U
117-84-0	Di-n-octyl phthalate	1	9.5	U
206-44-0	Fluoranthene	1	9.5	U
86-73-7	Fluorene	1	9.5	U
118-74-1	Hexachlorobenzene	1	9.5	U
87-68-3	Hexachlorobutadiene	1	9.5	U
77-47-4	Hexachlorocyclopentadiene	1	9.5	U
67-72-1	Hexachloroethane	1	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.5	U
78-59-1	Isophorone	1	9.5	U
91-20-3	Naphthalene	1	9.5	U
98-95-3	Nitrobenzene	1	9.5	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.5	U
86-30-6	N-Nitrosodiphenylamine	1	9.5	U
87-86-5	Pentachlorophenol	1	48	U
85-01-8	Phenanthrene	1	9.5	U
108-95-2	Phenol	1	9.5	U
129-00-0	Pyrene	1	9.5	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	12.519	12	
none	Unknown02	12.653	34	
none	Unknown03	13.304	8.6	
none	Unknown04	13.342	17	
none	Unknown05	13.368	13	
none	Unknown06	13.465	32	
none	Unknown07	13.748	4.6	
none	Unknown08	14.058	30	
none	Unknown09	14.079	12	
none	Unknown10	14.19	88	
none	Unknown11	14.597	5.0	
none	Unknown12	14.741	15	
none	Unknown13	14.763	28	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-02S

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-19	File ID:	V2345.D
Sampled:	04/22/10 09:30	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 06:57
Solids:		Preparation:	3510C MB	Initial/Final:	1050 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.795	30	
none	Unknown15	15.516	5.8	
none	Unknown16	15.554	10	
none	Unknown17	15.596	13	
none	Unknown18	16.57	4.1	
none	Unknown19	16.633	6.7	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	143	126	88	52 - 132	
2-Fluorobiphenyl	95.2	67.8	71	48 - 120	
2-Fluorophenol	143	48.6	34	20 - 120	
Nitrobenzene-d5	95.2	63.8	67	46 - 120	
Phenol-d5	143	38.8	27	16 - 120	
p-Terphenyl-d14	95.2	75.2	79	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	74646	5.68	106427	5.68	
Acenaphthene-d10	171826	9.69	242116	9.69	
Chrysene-d12	380702	13.88	550996	13.88	
Naphthalene-d8	278828	7.41	393137	7.41	
Perylene-d12	330247	15.13	474227	15.13	
Phenanthrene-d10	315176	11.4	449522	11.4	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SW-03S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-18 File ID: V2344.D

Sampled: 04/22/10 09:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 06:32

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	U U
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-03S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-18 File ID: V2344.D

Sampled: 04/22/10 09:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 06:32

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.605	5.9	
none	Unknown02	11.64	6.1	
none	Unknown03	12.487	6.5	
none	Unknown04	12.519	23	
none	Unknown05	12.653	46	
none	Unknown06	13.304	12	
none	Unknown07	13.35	19	
none	Unknown08	13.37	16	
none	Unknown09	13.47	44	
none	Unknown10	13.748	6.2	
none	Unknown11	14.058	36	
none	Unknown12	14.079	17	
none	Unknown13	14.19	36	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-03S

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-18	File ID:	V2344.D
Sampled:	04/22/10 09:00	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 06:32
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.602	7.8	
none	Unknown15	14.763	63	
none	Unknown16	14.795	31	
none	Unknown17	15.516	6.5	
none	Unknown18	15.553	14	
none	Unknown19	15.596	16	
none	Unknown20	16.633	7.8	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	130	92	52 - 132	
2-Fluorobiphenyl	94.3	68.8	73	48 - 120	
2-Fluorophenol	142	54.6	39	20 - 120	
Nitrobenzene-d5	94.3	66.0	70	46 - 120	
Phenol-d5	142	42.0	30	16 - 120	
p-Terphenyl-d14	94.3	73.6	78	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	71654	5.68	106427	5.68	
Acenaphthene-d10	168772	9.69	242116	9.69	
Chrysene-d12	380516	13.88	550996	13.88	
Naphthalene-d8	277569	7.41	393137	7.41	
Perylene-d12	324523	15.13	474227	15.13	
Phenanthrene-d10	309732	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-04D

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-09	File ID:	V2337.D
Sampled:	04/21/10 12:35	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 03:38
Solids:		Preparation:	3510C MB	Initial/Final:	1050 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.5	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.5	U
120-83-2	2,4-Dichlorophenol	1	9.5	U
105-67-9	2,4-Dimethylphenol	1	9.5	U
51-28-5	2,4-Dinitrophenol	1	48	U
121-14-2	2,4-Dinitrotoluene	1	9.5	U
606-20-2	2,6-Dinitrotoluene	1	9.5	U
91-58-7	2-Chloronaphthalene	1	9.5	U
95-57-8	2-Chlorophenol	1	9.5	U
91-57-6	2-Methylnaphthalene	1	9.5	U
95-48-7	2-Methylphenol	1	9.5	U
88-74-4	2-Nitroaniline	1	48	U
88-75-5	2-Nitrophenol	1	9.5	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	48	U
534-52-1	4,6-Dinitro-2-methylphenol	1	48	U
101-55-3	4-Bromophenyl phenyl ether	1	9.5	U
59-50-7	4-Chloro-3-methylphenol	1	9.5	U
106-47-8	4-Chloroaniline	1	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.5	U
106-44-5	4-Methylphenol	1	4.8	U
100-01-6	4-Nitroaniline	1	48	U
100-02-7	4-Nitrophenol	1	48	U
83-32-9	Acenaphthene	1	9.5	U
208-96-8	Acenaphthylene	1	9.5	U
98-86-2	Acetophenone	1	9.5	U
120-12-7	Anthracene	1	9.5	U
1912-24-9	Atrazine	1	9.5	U UJ
100-52-7	Benzaldehyde	1	48	U
56-55-3	Benzo(a)anthracene	1	9.5	U
50-32-8	Benzo(a)pyrene	1	9.5	U
205-99-2	Benzo(b)fluoranthene	1	9.5	U
191-24-2	Benzo(ghi)perylene	1	9.5	U
207-08-9	Benzo(k)fluoranthene	1	9.5	U
92-52-4	Biphenyl	1	9.5	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.5	U
111-44-4	Bis(2-chloroethyl)ether	1	9.5	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.5	U

bv 7/1/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-04D

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-09	File ID:	V2337.D
Sampled:	04/21/10 12:35	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 03:38
Solids:		Preparation:	3510C MB	Initial/Final:	1050 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
				Instrument:	HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.5	U
105-60-2	Caprolactam	1	9.5	U
86-74-8	Carbazole	1	4.8	U
218-01-9	Chrysene	1	9.5	U
53-70-3	Dibenzo(a,h)anthracene	1	9.5	U
132-64-9	Dibenzofuran	1	9.5	U
84-66-2	Diethyl phthalate	1	9.5	U
131-11-3	Dimethyl phthalate	1	9.5	U
84-74-2	Di-n-butyl phthalate	1	9.5	U
117-84-0	Di-n-octyl phthalate	1	9.5	U
206-44-0	Fluoranthene	1	9.5	U
86-73-7	Fluorene	1	9.5	U
118-74-1	Hexachlorobenzene	1	9.5	U
87-68-3	Hexachlorobutadiene	1	9.5	U
77-47-4	Hexachlorocyclopentadiene	1	9.5	U
67-72-1	Hexachloroethane	1	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.5	U
78-59-1	Isophorone	1	9.5	U
91-20-3	Naphthalene	1	9.5	U
98-95-3	Nitrobenzene	1	9.5	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.5	U
86-30-6	N-Nitrosodiphenylamine	1	9.5	U
87-86-5	Pentachlorophenol	1	48	U
85-01-8	Phenanthrene	1	9.5	U
108-95-2	Phenol	1	9.5	U
129-00-0	Pyrene	1	9.5	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.461	6.2	
none	Unknown02	11.606	14	
none	Unknown03	11.638	7.6	
none	Unknown04	12.519	27	
none	Unknown05	12.65	48	
none	Unknown06	13.305	11	
none	Unknown07	13.342	22	
none	Unknown08	13.37	16	
none	Unknown09	13.475	47	
none	Unknown10	13.491	69	
none	Unknown11	13.743	5.9	
none	Unknown12	14.058	35	
none	Unknown13	14.08	13	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-04D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-09 File ID: V2337.D

Sampled: 04/21/10 12:35 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 03:38

Solids: Preparation: 3510C MB Initial/Final: 1050 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.191	32	
none	Unknown15	14.6	5.9	
none	Unknown16	14.763	64	
none	Unknown17	14.795	27	
none	Unknown18	15.554	12	
none	Unknown19	15.596	14	
none	Unknown20	16.633	7.0	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	143	135	95	52 - 132	
2-Fluorobiphenyl	95.2	68.5	72	48 - 120	
2-Fluorophenol	143	50.8	36	20 - 120	
Nitrobenzene-d5	95.2	62.0	65	46 - 120	
Phenol-d5	143	40.0	28	16 - 120	
p-Terphenyl-d14	95.2	72.8	76	24 - 136	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	70078	5.68	106427	5.68	
Acenaphthene-d10	163426	9.69	242116	9.69	
Chrysene-d12	369832	13.88	550996	13.88	
Naphthalene-d8	268875	7.41	393137	7.41	
Perylene-d12	314435	15.13	474227	15.13	
Phenanthrene-d10	297817	11.4	449522	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-04S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-08 File ID: V2336.D

Sampled: 04/21/10 11:05 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 03:13

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	U UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SW-04S

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-08	File ID:	V2336.D
Sampled:	04/21/10 11:05	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 03:13
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001853	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.606	14	
none	Unknown02	11.638	7.8	
none	Unknown03	12.51	17	
none	Unknown04	12.653	56	
none	Unknown05	13.305	14	
none	Unknown06	13.35	22	
none	Unknown07	13.37	19	
none	Unknown08	13.465	56	
none	Unknown09	13.5	84	
none	Unknown10	13.743	7.9	
none	Unknown11	14.058	42	
none	Unknown12	14.079	17	
none	Unknown13	14.19	39	

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

SW-04S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-08 File ID: V2336.D

Sampled: 04/21/10 11:05 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 03:13

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.6	8.8	
none	Unknown15	14.763	75	
none	Unknown16	14.795	37	
none	Unknown17	15.516	7.4	
none	Unknown18	15.554	15	
none	Unknown19	15.596	17	
none	Unknown20	16.627	8.6	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	115	81	52 - 132	
2-Fluorobiphenyl	94.3	59.4	63	48 - 120	
2-Fluorophenol	142	42.7	30	20 - 120	
Nitrobenzene-d5	94.3	51.8	55	46 - 120	
Phenol-d5	142	35.4	25	16 - 120	
p-Terphenyl-d14	94.3	58.8	62	24 - 136	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	71619	5.68	106427	5.68	
Acenaphthene-d10	167206	9.69	242116	9.69	
Chrysene-d12	371284	13.88	550996	13.88	
Naphthalene-d8	273058	7.41	393137	7.41	
Perylene-d12	318018	15.13	474227	15.13	
Phenanthrene-d10	300940	11.4	449522	11.4	

* Values outside of QC limits

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

MW-03

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-14 File ID: 1042610-115

Sampled: 04/21/10 15:50 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 23:03

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0476	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	225	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.252	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	18.6	mg/L	1		6010B
7439-96-5	Manganese	2.45	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	3.32	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	3.8	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

MW-04

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-13 File ID: 1042610-114

Sampled: 04/21/10 15:00 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 22:58

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0160	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	171	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	1.05	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	31.7	mg/L	1		6010B
7439-96-5	Manganese	0.525	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.13	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	14.1	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

MW-16

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-12 File ID: 1042610-113

Sampled: 04/21/10 13:45 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 22:53

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0310	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	77.9	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	16.6	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	8.15	mg/L	1		6010B
7439-96-5	Manganese	1.09	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	0.500	mg/L	1	U	6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	5.8	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

DUP-2

Field Dup of SW-01D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-17 File ID: 1042610-118

Sampled: 04/21/10 00:00 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 23:18

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0712	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	28.6	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.292	mg/L	1	J	6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	14.0	mg/L	1		6010B
7439-96-5	Manganese	0.0088	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.94	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	10.2	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

6/1/10

Form 1
INORGANIC ANALYSIS DATA SHEET
6010B

SW-01D

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-16
File ID: 1042610-117
Sampled: 04/21/10 14:55
Prepared: 04/26/10 09:30
Analyzed: 04/26/10 23:13
Solids: 0.00
Preparation: 3005A
Initial/Final: 50 mL / 50 mL
Batch: 10D2292
Sequence: T001775
Calibration: R10D216
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0702	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	27.6	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.631	mg/L	1	J	6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	13.5	mg/L	1		6010B
7439-96-5	Manganese	0.0118	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.89	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	9.9	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

5/11/10

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SW-01S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-15 File ID: 1042610-116

Sampled: 04/21/10 16:50 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 23:08

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	5.83	mg/L	1		6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0334	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	109	mg/L	1		6010B
7440-47-3	Chromium	0.0069	mg/L	1		6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	3.70	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	4.00	mg/L	1		6010B
7439-96-5	Manganese	0.0505	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	2.08	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	2.1	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0066	mg/L	1		6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SW-02D

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-20
File ID: 1042610-121
Sampled: 04/22/10 10:10
Prepared: 04/26/10 09:30
Analyzed: 04/26/10 23:33
Solids: 0.00
Preparation: 3005A
Initial/Final: 50 mL / 50 mL
Batch: 10D2292
Sequence: T001775
Calibration: R10D216
Instrument: Trace I

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.443	mg/L	1		6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0657	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	62.8	mg/L	1		6010B
7440-47-3	Chromium	0.0041	mg/L	1		6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.433	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	22.3	mg/L	1		6010B
7439-96-5	Manganese	0.0102	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.87	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	7.5	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SW-02S

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-19
File ID: 1042610-120
Sampled: 04/22/10 09:30
Prepared: 04/26/10 09:30
Analyzed: 04/26/10 23:28
Solids: 0.00
Preparation: 3005A
Initial/Final: 50 mL / 50 mL
Batch: 10D2292
Sequence: T001775
Calibration: R10D216
Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0029	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	57.4	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.050	mg/L	1	U	6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	2.24	mg/L	1		6010B
7439-96-5	Manganese	0.0030	mg/L	1	U	6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	0.500	mg/L	1	U	6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	1.0	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SW-03S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-18 File ID: 1042610-119

Sampled: 04/22/10 09:00 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 23:23

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0088	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	74.4	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.050	mg/L	1	U	6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	3.04	mg/L	1		6010B
7439-96-5	Manganese	0.0030	mg/L	1	U	6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.91	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	22.6	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SW-04D

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-09 File ID: 1042610-108

Sampled: 04/21/10 12:35 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 22:25

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	1.80	mg/L	1		6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0147	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0024	mg/L	1		6010B
7440-70-2	Calcium	12.2	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	1.63	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	1.96	mg/L	1		6010B
7439-96-5	Manganese	0.0387	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.17	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	32.0	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SW-04S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-08 File ID: 1042610-107

Sampled: 04/21/10 11:05 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 22:20

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.336	mg/L	1		6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0261	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	92.7	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	8.87	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	6.90	mg/L	1		6010B
7439-96-5	Manganese	2.08	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	1.94	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	4.3	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

MW-03

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-14
File ID: H04260W2-55
Sampled: 04/21/10 15:50
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:22
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

MW-04

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-13
File ID: H04260W2-52
Sampled: 04/21/10 15:00
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:17
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

MW-16

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-12
File ID: H04260W2-51
Sampled: 04/21/10 13:45
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:15
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

DUP-2

Field dup of SW-01

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-17 File ID: H04260W2-58

Sampled: 04/21/10 00:00 Prepared: 04/26/10 14:30 Analyzed: 04/26/10 19:27

Solids: 0.00 Preparation: 7470A Initial/Final: 30 mL / 50 mL

Batch: 10D2454 Sequence: T001707 Calibration: R10D187 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SW-01D

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-16
File ID: H04260W2-57
Sampled: 04/21/10 14:55
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:25
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SW-01S

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-15
File ID: H04260W2-56
Sampled: 04/21/10 16:50
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:23
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1
INORGANIC ANALYSIS DATA SHEET
7470A

SW-02D

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-20
File ID: H04260W2-61
Sampled: 04/22/10 10:10
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:32
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SW-02S

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-19
File ID: H04260W2-60
Sampled: 04/22/10 09:30
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:30
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SW-03S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-18 File ID: H04260W2-59

Sampled: 04/22/10 09:00 Prepared: 04/26/10 14:30 Analyzed: 04/26/10 19:28

Solids: 0.00 Preparation: 7470A Initial/Final: 30 mL / 50 mL

Batch: 10D2454 Sequence: T001707 Calibration: R10D187 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SW-04D

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-09
File ID: H04260W2-47
Sampled: 04/21/10 12:35
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:08
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SW-04S

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-08 File ID: H04260W2-46

Sampled: 04/21/10 11:05 Prepared: 04/26/10 14:30 Analyzed: 04/26/10 19:06

Solids: 0.00 Preparation: 7470A Initial/Final: 30 mL / 50 mL

Batch: 10D2454 Sequence: T001707 Calibration: R10D187 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

NDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-04 File ID: T9110.D

Sampled: 04/20/10 17:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 13:44

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	~~U~~ UJ
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

6 7/1/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

NDP

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-04	File ID:	T9110.D
Sampled:	04/20/10 17:00	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 13:44
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.4	94	66 - 137	
4-Bromofluorobenzene	25.0	21.1	84	73 - 120	
Toluene-d8	25.0	23.0	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	384416	9.86	604796	9.86	
1,4-Difluorobenzene	870560	5.68	1263836	5.68	
Chlorobenzene-d5	773918	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

DUP-1

Field Dup. of SB5

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-02	File ID:	T9108.D
Sampled:	04/20/10 00:00	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 12:55
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
				Instrument:	HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	~~U~~ UJ
74-83-9	Bromomethane	1	1.0	~~U~~ ↓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

DUP-1

Field Dup of SW

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-02	File ID:	T9108.D
Sampled:	04/20/10 00:00	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 12:55
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.3	93	66 - 137	
4-Bromofluorobenzene	25.0	21.9	87	73 - 120	
Toluene-d8	25.0	23.1	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	404462	9.86	604796	9.86	
1,4-Difluorobenzene	904719	5.68	1263836	5.68	
Chlorobenzene-d5	811222	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SDP

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-01	File ID:	T9107.D
Sampled:	04/20/10 15:30	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 12:31
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	~~U~~ UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	~~U~~ UJ
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-01 File ID: T9107.D

Sampled: 04/20/10 15:30 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 12:31

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	22.8	91	66 - 137	
4-Bromofluorobenzene	25.0	21.3	85	73 - 120	
Toluene-d8	25.0	23.0	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	423603	9.86	604796	9.86	
1,4-Difluorobenzene	959172	5.68	1263836	5.68	
Chlorobenzene-d5	862088	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SWTR-1E

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-03 File ID: T9109.D

Sampled: 04/20/10 16:30 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 13:19

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U ↓
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SWTR-1E

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-03	File ID:	T9109.D
Sampled:	04/20/10 16:30	Prepared:	04/28/10 14:44	Analyzed:	04/29/10 13:19
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	10D2681	Sequence:	T001752	Calibration:	R10D196
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.6	94	66 - 137	
4-Bromofluorobenzene	25.0	21.6	86	73 - 120	
Toluene-d8	25.0	23.0	92	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	390411	9.86	604796	9.86	
1,4-Difluorobenzene	871073	5.68	1263836	5.68	
Chlorobenzene-d5	784853	7.95	1129078	7.95	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SWTR-TT

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-07 File ID: T9113.D

Sampled: 04/21/10 09:30 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 14:56

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	9.4	
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U UJ
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	0.75	J
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

SWTR-TT

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-07 File ID: T9113.D

Sampled: 04/21/10 09:30 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 14:56

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
000109-99-9	Furan, tetrahydro-	4.948	16	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	23.0	92	66 - 137	
4-Bromofluorobenzene	25.0	21.1	84	73 - 120	
Toluene-d8	25.0	22.8	91	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	367775	9.86	604796	9.86	
1,4-Difluorobenzene	849176	5.68	1263836	5.68	
Chlorobenzene-d5	750747	7.95	1129078	7.95	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

NDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-04 File ID: V2331.D

Sampled: 04/20/10 17:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 01:19

Solids: Preparation: 3510C MB Initial/Final: 1040 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.6	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.6	U
120-83-2	2,4-Dichlorophenol	1	9.6	U
105-67-9	2,4-Dimethylphenol	1	9.6	U
51-28-5	2,4-Dinitrophenol	1	48	U
121-14-2	2,4-Dinitrotoluene	1	9.6	U
606-20-2	2,6-Dinitrotoluene	1	9.6	U
91-58-7	2-Chloronaphthalene	1	9.6	U
95-57-8	2-Chlorophenol	1	9.6	U
91-57-6	2-Methylnaphthalene	1	9.6	U
95-48-7	2-Methylphenol	1	9.6	U
88-74-4	2-Nitroaniline	1	48	U
88-75-5	2-Nitrophenol	1	9.6	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	48	U
534-52-1	4,6-Dinitro-2-methylphenol	1	48	U
101-55-3	4-Bromophenyl phenyl ether	1	9.6	U
59-50-7	4-Chloro-3-methylphenol	1	9.6	U
106-47-8	4-Chloroaniline	1	9.6	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.6	U
106-44-5	4-Methylphenol	1	4.8	U
100-01-6	4-Nitroaniline	1	48	U
100-02-7	4-Nitrophenol	1	48	U
83-32-9	Acenaphthene	1	9.6	U
208-96-8	Acenaphthylene	1	9.6	U
98-86-2	Acetophenone	1	9.6	U
120-12-7	Anthracene	1	9.6	U
1912-24-9	Atrazine	1	9.6	~~U~~ UJ
100-52-7	Benzaldehyde	1	48	U
56-55-3	Benzo(a)anthracene	1	9.6	U
50-32-8	Benzo(a)pyrene	1	9.6	U
205-99-2	Benzo(b)fluoranthene	1	9.6	U
191-24-2	Benzo(ghi)perylene	1	9.6	U
207-08-9	Benzo(k)fluoranthene	1	9.6	U
92-52-4	Biphenyl	1	9.6	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.6	U
111-44-4	Bis(2-chloroethyl)ether	1	9.6	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.6	U

5/11/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

NDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-04 File ID: V2331.D

Sampled: 04/20/10 17:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 01:19

Solids: Preparation: 3510C MB Initial/Final: 1040 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.6	U
105-60-2	Caprolactam	1	9.6	U
86-74-8	Carbazole	1	4.8	U
218-01-9	Chrysene	1	9.6	U
53-70-3	Dibenzo(a,h)anthracene	1	9.6	U
132-64-9	Dibenzofuran	1	9.6	U
84-66-2	Diethyl phthalate	1	9.6	U
131-11-3	Dimethyl phthalate	1	9.6	U
84-74-2	Di-n-butyl phthalate	1	9.6	U
117-84-0	Di-n-octyl phthalate	1	9.6	U
206-44-0	Fluoranthene	1	9.6	U
86-73-7	Fluorene	1	9.6	U
118-74-1	Hexachlorobenzene	1	9.6	U
87-68-3	Hexachlorobutadiene	1	9.6	U
77-47-4	Hexachlorocyclopentadiene	1	9.6	U
67-72-1	Hexachloroethane	1	9.6	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.6	U
78-59-1	Isophorone	1	9.6	U
91-20-3	Naphthalene	1	9.6	U
98-95-3	Nitrobenzene	1	9.6	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.6	U
86-30-6	N-Nitrosodiphenylamine	1	9.6	U
87-86-5	Pentachlorophenol	1	48	U
85-01-8	Phenanthrene	1	9.6	U
108-95-2	Phenol	1	9.6	U
129-00-0	Pyrene	1	9.6	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.605	15	
none	Unknown02	11.637	8.3	
none	Unknown03	12.519	34	
none	Unknown04	12.65	67	
none	Unknown05	13.304	17	
none	Unknown06	13.35	30	
none	Unknown07	13.37	22	
none	Unknown08	13.464	46	
none	Unknown09	13.748	9.2	
none	Unknown10	14.057	53	
none	Unknown11	14.079	24	
none	Unknown12	14.191	120	
none	Unknown13	14.602	8.9	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

NDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-04 File ID: V2331.D

Sampled: 04/20/10 17:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 01:19

Solids: Preparation: 3510C MB Initial/Final: 1040 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.741	28	
none	Unknown15	14.763	49	
none	Unknown16	14.795	50	
none	Unknown17	15.52	8.0	
none	Unknown18	15.553	19	
none	Unknown19	15.596	23	
none	Unknown20	16.633	12	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	144	169	117	52 - 132	
2-Fluorobiphenyl	96.2	86.1	90	48 - 120	
2-Fluorophenol	144	61.7	43	20 - 120	
Nitrobenzene-d5	96.2	80.9	84	46 - 120	
Phenol-d5	144	49.8	34	16 - 120	
p-Terphenyl-d14	96.2	85.0	88	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	57330	5.68	81657	5.68	
Acenaphthene-d10	131332	9.69	185812	9.69	
Chrysene-d12	295197	13.88	418270	13.88	
Naphthalene-d8	210999	7.41	299192	7.41	
Perylene-d12	247175	15.13	357754	15.13	
Phenanthrene-d10	238564	11.4	339823	11.4	

* Values outside of QC limits

Form 1
ORGANIC ANALYSIS DATA SHEET
8270C

DUP-1

Field dup of SW

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	New York State D.E.C. - Albany, NY			Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Matrix:	Ground Water	Laboratory ID:	RTD1782-02	File ID:	V2329.D
Sampled:	04/20/10 00:00	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 00:29
Solids:		Preparation:	3510C MB	Initial/Final:	1030 mL / 1 mL
Batch:	10D2326	Sequence:	T001852	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.7	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.7	U
120-83-2	2,4-Dichlorophenol	1	9.7	U
105-67-9	2,4-Dimethylphenol	1	9.7	U
51-28-5	2,4-Dinitrophenol	1	49	U
121-14-2	2,4-Dinitrotoluene	1	9.7	U
606-20-2	2,6-Dinitrotoluene	1	9.7	U
91-58-7	2-Chloronaphthalene	1	9.7	U
95-57-8	2-Chlorophenol	1	9.7	U
91-57-6	2-Methylnaphthalene	1	9.7	U
95-48-7	2-Methylphenol	1	9.7	U
88-74-4	2-Nitroaniline	1	49	U
88-75-5	2-Nitrophenol	1	9.7	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	49	U
534-52-1	4,6-Dinitro-2-methylphenol	1	49	U
101-55-3	4-Bromophenyl phenyl ether	1	9.7	U
59-50-7	4-Chloro-3-methylphenol	1	9.7	U
106-47-8	4-Chloroaniline	1	9.7	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.7	U
106-44-5	4-Methylphenol	1	4.9	U
100-01-6	4-Nitroaniline	1	49	U
100-02-7	4-Nitrophenol	1	49	U
83-32-9	Acenaphthene	1	9.7	U
208-96-8	Acenaphthylene	1	9.7	U
98-86-2	Acetophenone	1	9.7	U
120-12-7	Anthracene	1	9.7	U
1912-24-9	Atrazine	1	9.7	~~U~~ UJ
100-52-7	Benzaldehyde	1	49	U
56-55-3	Benzo(a)anthracene	1	9.7	U
50-32-8	Benzo(a)pyrene	1	9.7	U
205-99-2	Benzo(b)fluoranthene	1	9.7	U
191-24-2	Benzo(ghi)perylene	1	9.7	U
207-08-9	Benzo(k)fluoranthene	1	9.7	U
92-52-4	Biphenyl	1	9.7	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.7	U
111-44-4	Bis(2-chloroethyl)ether	1	9.7	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.7	U

7/1/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-1

Field dup of SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-02 File ID: V2329.D

Sampled: 04/20/10 00:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:29

Solids: Preparation: 3510C MB Initial/Final: 1030 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.7	U
105-60-2	Caprolactam	1	9.7	U
86-74-8	Carbazole	1	4.9	U
218-01-9	Chrysene	1	9.7	U
53-70-3	Dibenzo(a,h)anthracene	1	9.7	U
132-64-9	Dibenzofuran	1	9.7	U
84-66-2	Diethyl phthalate	1	9.7	U
131-11-3	Dimethyl phthalate	1	9.7	U
84-74-2	Di-n-butyl phthalate	1	9.7	U
117-84-0	Di-n-octyl phthalate	1	9.7	U
206-44-0	Fluoranthene	1	9.7	U
86-73-7	Fluorene	1	9.7	U
118-74-1	Hexachlorobenzene	1	9.7	U
87-68-3	Hexachlorobutadiene	1	9.7	U
77-47-4	Hexachlorocyclopentadiene	1	9.7	U
67-72-1	Hexachloroethane	1	9.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.7	U
78-59-1	Isophorone	1	9.7	U
91-20-3	Naphthalene	1	9.7	U
98-95-3	Nitrobenzene	1	9.7	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.7	U
86-30-6	N-Nitrosodiphenylamine	1	9.7	U
87-86-5	Pentachlorophenol	1	49	U
85-01-8	Phenanthrene	1	9.7	U
108-95-2	Phenol	1	9.7	U
129-00-0	Pyrene	1	9.7	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.461	6.7	
none	Unknown02	11.605	18	
none	Unknown03	11.638	9.4	
none	Unknown04	12.466	7.0	
none	Unknown05	12.65	60	
none	Unknown06	13.304	15	
none	Unknown07	13.34	24	
none	Unknown08	13.368	19	
none	Unknown09	13.475	55	
none	Unknown10	13.742	8.0	
none	Unknown11	14.058	45	
none	Unknown12	14.08	17	
none	Unknown13	14.191	39	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

DUP-1

Field dup of SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-02 File ID: V2329.D

Sampled: 04/20/10 00:00 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:29

Solids: Preparation: 3510C MB Initial/Final: 1030 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.6	7.1	
none	Unknown15	14.763	22	
none	Unknown16	14.795	37	
none	Unknown17	15.516	6.8	
none	Unknown18	15.55	13	
none	Unknown19	15.596	17	
none	Unknown20	16.633	7.6	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	146	141	97	52 - 132	
2-Fluorobiphenyl	97.1	78.4	81	48 - 120	
2-Fluorophenol	146	56.7	39	20 - 120	
Nitrobenzene-d5	97.1	71.0	73	46 - 120	
Phenol-d5	146	46.7	32	16 - 120	
p-Terphenyl-d14	97.1	60.4	62	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	66312	5.68	81657	5.68	
Acenaphthene-d10	151605	9.69	185812	9.69	
Chrysene-d12	345104	13.88	418270	13.88	
Naphthalene-d8	251346	7.41	299192	7.41	
Perylene-d12	287780	15.13	357754	15.13	
Phenanthrene-d10	277657	11.4	339823	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-01 File ID: V2328.D

Sampled: 04/20/10 15:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:04

Solids: Preparation: 3510C MB Initial/Final: 1020 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.8	U
95-95-4	2,4,5-Trichlorophenol	1	25	U
88-06-2	2,4,6-Trichlorophenol	1	9.8	U
120-83-2	2,4-Dichlorophenol	1	9.8	U
105-67-9	2,4-Dimethylphenol	1	9.8	U
51-28-5	2,4-Dinitrophenol	1	49	U
121-14-2	2,4-Dinitrotoluene	1	9.8	U
606-20-2	2,6-Dinitrotoluene	1	9.8	U
91-58-7	2-Chloronaphthalene	1	9.8	U
95-57-8	2-Chlorophenol	1	9.8	U
91-57-6	2-Methylnaphthalene	1	9.8	U
95-48-7	2-Methylphenol	1	9.8	U
88-74-4	2-Nitroaniline	1	49	U
88-75-5	2-Nitrophenol	1	9.8	U
91-94-1	3,3'-Dichlorobenzidine	1	20	U
99-09-2	3-Nitroaniline	1	49	U
534-52-1	4,6-Dinitro-2-methylphenol	1	49	U
101-55-3	4-Bromophenyl phenyl ether	1	9.8	U
59-50-7	4-Chloro-3-methylphenol	1	9.8	U
106-47-8	4-Chloroaniline	1	9.8	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.8	U
106-44-5	4-Methylphenol	1	4.9	U
100-01-6	4-Nitroaniline	1	49	U
100-02-7	4-Nitrophenol	1	49	U
83-32-9	Acenaphthene	1	9.8	U
208-96-8	Acenaphthylene	1	9.8	U
98-86-2	Acetophenone	1	9.8	U
120-12-7	Anthracene	1	9.8	U
1912-24-9	Atrazine	1	9.8	UJ
100-52-7	Benzaldehyde	1	49	U
56-55-3	Benzo(a)anthracene	1	9.8	U
50-32-8	Benzo(a)pyrene	1	9.8	U
205-99-2	Benzo(b)fluoranthene	1	9.8	U
191-24-2	Benzo(ghi)perylene	1	9.8	U
207-08-9	Benzo(k)fluoranthene	1	9.8	U
92-52-4	Biphenyl	1	9.8	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.8	U
111-44-4	Bis(2-chloroethyl)ether	1	9.8	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.8	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-01 File ID: V2328.D

Sampled: 04/20/10 15:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:04

Solids: Preparation: 3510C MB Initial/Final: 1020 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.8	U
105-60-2	Caprolactam	1	9.8	U
86-74-8	Carbazole	1	4.9	U
218-01-9	Chrysene	1	9.8	U
53-70-3	Dibenzo(a,h)anthracene	1	9.8	U
132-64-9	Dibenzofuran	1	9.8	U
84-66-2	Diethyl phthalate	1	9.8	U
131-11-3	Dimethyl phthalate	1	9.8	U
84-74-2	Di-n-butyl phthalate	1	9.8	U
117-84-0	Di-n-octyl phthalate	1	9.8	U
206-44-0	Fluoranthene	1	9.8	U
86-73-7	Fluorene	1	9.8	U
118-74-1	Hexachlorobenzene	1	9.8	U
87-68-3	Hexachlorobutadiene	1	9.8	U
77-47-4	Hexachlorocyclopentadiene	1	9.8	U
67-72-1	Hexachloroethane	1	9.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.8	U
78-59-1	Isophorone	1	9.8	U
91-20-3	Naphthalene	1	9.8	U
98-95-3	Nitrobenzene	1	9.8	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.8	U
86-30-6	N-Nitrosodiphenylamine	1	9.8	U
87-86-5	Pentachlorophenol	1	49	U
85-01-8	Phenanthrene	1	9.8	U
108-95-2	Phenol	1	9.8	U
129-00-0	Pyrene	1	9.8	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown01	11.605	21	
none	Unknown02	11.637	11	
none	Unknown03	12.519	38	
none	Unknown04	12.65	71	
none	Unknown05	13.304	18	
none	Unknown06	13.35	28	
none	Unknown07	13.37	23	
none	Unknown08	13.465	65	
none	Unknown09	13.742	10	
none	Unknown10	14.058	52	
none	Unknown11	14.079	19	
none	Unknown12	14.191	46	
none	Unknown13	14.6	11	

Form Rev: 11/23/09

Printed: 05/14/2010

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-01 File ID: V2328.D

Sampled: 04/20/10 15:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:04

Solids: Preparation: 3510C MB Initial/Final: 1020 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown14	14.741	27	
none	Unknown15	14.763	53	
none	Unknown16	14.79	43	
none	Unknown17	15.553	19	
none	Unknown18	15.596	21	
none	Unknown19	15.772	11	
none	Unknown20	16.627	10	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	147	158	107	52 - 132	
2-Fluorobiphenyl	98.0	86.3	88	48 - 120	
2-Fluorophenol	147	61.0	42	20 - 120	
Nitrobenzene-d5	98.0	80.1	82	46 - 120	
Phenol-d5	147	49.2	33	16 - 120	
p-Terphenyl-d14	98.0	67.7	69	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	66364	5.68	81657	5.68	
Acenaphthene-d10	152437	9.69	185812	9.69	
Chrysene-d12	347622	13.88	418270	13.88	
Naphthalene-d8	245239	7.41	299192	7.41	
Perylene-d12	291564	15.13	357754	15.13	
Phenanthrene-d10	277929	11.4	339823	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SWTR-1E

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-03 File ID: V2330.D

Sampled: 04/20/10 16:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:54

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.4	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.4	U
120-83-2	2,4-Dichlorophenol	1	9.4	U
105-67-9	2,4-Dimethylphenol	1	9.4	U
51-28-5	2,4-Dinitrophenol	1	47	U
121-14-2	2,4-Dinitrotoluene	1	9.4	U
606-20-2	2,6-Dinitrotoluene	1	9.4	U
91-58-7	2-Chloronaphthalene	1	9.4	U
95-57-8	2-Chlorophenol	1	9.4	U
91-57-6	2-Methylnaphthalene	1	9.4	U
95-48-7	2-Methylphenol	1	9.4	U
88-74-4	2-Nitroaniline	1	47	U
88-75-5	2-Nitrophenol	1	9.4	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	47	U
534-52-1	4,6-Dinitro-2-methylphenol	1	47	U
101-55-3	4-Bromophenyl phenyl ether	1	9.4	U
59-50-7	4-Chloro-3-methylphenol	1	9.4	U
106-47-8	4-Chloroaniline	1	9.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.4	U
106-44-5	4-Methylphenol	1	4.7	U
100-01-6	4-Nitroaniline	1	47	U
100-02-7	4-Nitrophenol	1	47	U
83-32-9	Acenaphthene	1	9.4	U
208-96-8	Acenaphthylene	1	9.4	U
98-86-2	Acetophenone	1	9.4	U
120-12-7	Anthracene	1	9.4	U
1912-24-9	Atrazine	1	9.4	~~U~~ UJ
100-52-7	Benzaldehyde	1	47	U
56-55-3	Benzo(a)anthracene	1	9.4	U
50-32-8	Benzo(a)pyrene	1	9.4	U
205-99-2	Benzo(b)fluoranthene	1	9.4	U
191-24-2	Benzo(ghi)perylene	1	9.4	U
207-08-9	Benzo(k)fluoranthene	1	9.4	U
92-52-4	Biphenyl	1	9.4	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.4	U
111-44-4	Bis(2-chloroethyl)ether	1	9.4	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.4	U

W 7/1/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SWTR-1E

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	New York State D.E.C. - Albany, NY		Project:	NYSDEC - Rose Valley Landfill - Site# 622017	
Matrix:	Ground Water	Laboratory ID:	RTD1782-03	File ID:	V2330.D
Sampled:	04/20/10 16:30	Prepared:	04/25/10 08:00	Analyzed:	05/06/10 00:54
Solids:		Preparation:	3510C MB	Initial/Final:	1060 mL / 1 mL
Batch:	10D2326	Sequence:	T001852	Calibration:	R10E011
Instrument:	HP5973V				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.4	U
105-60-2	Caprolactam	1	9.4	U
86-74-8	Carbazole	1	4.7	U
218-01-9	Chrysene	1	9.4	U
53-70-3	Dibenzo(a,h)anthracene	1	9.4	U
132-64-9	Dibenzofuran	1	9.4	U
84-66-2	Diethyl phthalate	1	9.4	U
131-11-3	Dimethyl phthalate	1	9.4	U
84-74-2	Di-n-butyl phthalate	1	9.4	U
117-84-0	Di-n-octyl phthalate	1	9.4	U
206-44-0	Fluoranthene	1	9.4	U
86-73-7	Fluorene	1	9.4	U
118-74-1	Hexachlorobenzene	1	9.4	U
87-68-3	Hexachlorobutadiene	1	9.4	U
77-47-4	Hexachlorocyclopentadiene	1	9.4	U
67-72-1	Hexachloroethane	1	9.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.4	U
78-59-1	Isophorone	1	9.4	U
91-20-3	Naphthalene	1	9.4	U
98-95-3	Nitrobenzene	1	9.4	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.4	U
86-30-6	N-Nitrosodiphenylamine	1	9.4	U
87-86-5	Pentachlorophenol	1	47	U
85-01-8	Phenanthrene	1	9.4	U
108-95-2	Phenol	1	9.4	U
129-00-0	Pyrene	1	9.4	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
000111-06-8	Hexadecanoic acid, butyl ester	12.802	40	
000123-95-5	Octadecanoic acid, butyl ester	13.422	37	
none	Unknown01	11.616	15	
none	Unknown02	12.519	30	
none	Unknown03	12.653	64	
none	Unknown04	13.304	16	
none	Unknown05	13.347	30	
none	Unknown06	13.37	21	
none	Unknown07	13.475	35	
none	Unknown08	13.742	9.4	
none	Unknown09	14.058	50	
none	Unknown10	14.079	24	
none	Unknown11	14.191	110	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SWTR-1E

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-03 File ID: V2330.D

Sampled: 04/20/10 16:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 00:54

Solids: Preparation: 3510C MB Initial/Final: 1060 mL / 1 mL

Batch: 10D2326 Sequence: T001852 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown12	14.763	26	
none	Unknown13	14.795	41	
none	Unknown14	14.907	68	
none	Unknown15	15.516	9.2	
none	Unknown16	15.553	17	
none	Unknown17	15.596	22	
none	Unknown18	16.633	12	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	142	165	117	52 - 132	
2-Fluorobiphenyl	94.3	91.0	97	48 - 120	
2-Fluorophenol	142	67.5	48	20 - 120	
Nitrobenzene-d5	94.3	82.2	87	46 - 120	
Phenol-d5	142	53.3	38	16 - 120	
p-Terphenyl-d14	94.3	81.2	86	24 - 136	
INTERNAL STANDARD	**AREA**	**RT**	**REF AREA**	**REF RT**	**Q**
1,4-Dichlorobenzene-d4	58538	5.68	81657	5.68	
Acenaphthene-d10	135608	9.69	185812	9.69	
Chrysene-d12	304713	13.88	418270	13.88	
Naphthalene-d8	223492	7.41	299192	7.41	
Perylene-d12	262231	15.13	357754	15.13	
Phenanthrene-d10	249438	11.4	339823	11.4	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SWTR-TT

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-07 File ID: V2335.D

Sampled: 04/21/10 09:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 02:48

Solids: Preparation: 3510C MB Initial/Final: 1040 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
108-60-1	2,2'-Oxybis(1-Chloropropane)	1	9.6	U
95-95-4	2,4,5-Trichlorophenol	1	24	U
88-06-2	2,4,6-Trichlorophenol	1	9.6	U
120-83-2	2,4-Dichlorophenol	1	9.6	U
105-67-9	2,4-Dimethylphenol	1	9.6	U
51-28-5	2,4-Dinitrophenol	1	48	U
121-14-2	2,4-Dinitrotoluene	1	9.6	U
606-20-2	2,6-Dinitrotoluene	1	9.6	U
91-58-7	2-Chloronaphthalene	1	9.6	U
95-57-8	2-Chlorophenol	1	9.6	U
91-57-6	2-Methylnaphthalene	1	9.6	U
95-48-7	2-Methylphenol	1	9.6	U
88-74-4	2-Nitroaniline	1	48	U
88-75-5	2-Nitrophenol	1	9.6	U
91-94-1	3,3'-Dichlorobenzidine	1	19	U
99-09-2	3-Nitroaniline	1	48	U
534-52-1	4,6-Dinitro-2-methylphenol	1	48	U
101-55-3	4-Bromophenyl phenyl ether	1	9.6	U
59-50-7	4-Chloro-3-methylphenol	1	9.6	U
106-47-8	4-Chloroaniline	1	9.6	U
7005-72-3	4-Chlorophenyl phenyl ether	1	9.6	U
106-44-5	4-Methylphenol	1	4.8	U
100-01-6	4-Nitroaniline	1	48	U
100-02-7	4-Nitrophenol	1	48	U
83-32-9	Acenaphthene	1	9.6	U
208-96-8	Acenaphthylene	1	9.6	U
98-86-2	Acetophenone	1	9.6	U
120-12-7	Anthracene	1	9.6	U
1912-24-9	Atrazine	1	9.6	U UJ
100-52-7	Benzaldehyde	1	48	U
56-55-3	Benzo(a)anthracene	1	9.6	U
50-32-8	Benzo(a)pyrene	1	9.6	U
205-99-2	Benzo(b)fluoranthene	1	9.6	U
191-24-2	Benzo(ghi)perylene	1	9.6	U
207-08-9	Benzo(k)fluoranthene	1	9.6	U
92-52-4	Biphenyl	1	9.6	U
111-91-1	Bis(2-chloroethoxy)methane	1	9.6	U
111-44-4	Bis(2-chloroethyl)ether	1	9.6	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	9.6	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SWTR-TT

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-07 File ID: V2335.D

Sampled: 04/21/10 09:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 02:48

Solids: Preparation: 3510C MB Initial/Final: 1040 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
85-68-7	Butyl benzyl phthalate	1	9.6	U
105-60-2	Caprolactam	1	9.6	U
86-74-8	Carbazole	1	4.8	U
218-01-9	Chrysene	1	9.6	U
53-70-3	Dibenzo(a,h)anthracene	1	9.6	U
132-64-9	Dibenzofuran	1	9.6	U
84-66-2	Diethyl phthalate	1	9.6	U
131-11-3	Dimethyl phthalate	1	9.6	U
84-74-2	Di-n-butyl phthalate	1	9.6	U
117-84-0	Di-n-octyl phthalate	1	9.6	U
206-44-0	Fluoranthene	1	9.6	U
86-73-7	Fluorene	1	9.6	U
118-74-1	Hexachlorobenzene	1	9.6	U
87-68-3	Hexachlorobutadiene	1	9.6	U
77-47-4	Hexachlorocyclopentadiene	1	9.6	U
67-72-1	Hexachloroethane	1	9.6	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.6	U
78-59-1	Isophorone	1	9.6	U
91-20-3	Naphthalene	1	9.6	U
98-95-3	Nitrobenzene	1	9.6	U
621-64-7	N-Nitrosodi-n-propylamine	1	9.6	U
86-30-6	N-Nitrosodiphenylamine	1	9.6	U
87-86-5	Pentachlorophenol	1	48	U
85-01-8	Phenanthrene	1	9.6	U
108-95-2	Phenol	1	9.6	U
129-00-0	Pyrene	1	9.6	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
000934-34-9	2(3H)-Benzothiazolone	10.783	6.7	
none	Unknown01	10.195	6.9	
none	Unknown02	11.461	9.6	
none	Unknown03	11.616	12	
none	Unknown04	12.519	17	
none	Unknown05	12.653	56	
none	Unknown06	13.31	9.6	
none	Unknown07	13.35	31	
none	Unknown08	13.37	59	
none	Unknown09	13.47	47	
none	Unknown10	13.496	91	
none	Unknown11	13.748	14	
none	Unknown12	14.015	10	

Form 1

ORGANIC ANALYSIS DATA SHEET

8270C

SWTR-TT

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-07 File ID: V2335.D

Sampled: 04/21/10 09:30 Prepared: 04/25/10 08:00 Analyzed: 05/06/10 02:48

Solids: Preparation: 3510C MB Initial/Final: 1040 mL / 1 mL

Batch: 10D2326 Sequence: T001853 Calibration: R10E011 Instrument: HP5973V

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
none	Unknown13	14.079	60	
none	Unknown14	14.196	30	
none	Unknown15	14.277	15	
none	Unknown16	14.538	12	
none	Unknown17	14.768	48	
none	Unknown18	15.559	8.9	
none	Unknown19	15.6	11	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol	144	123	86	52 - 132	
2-Fluorobiphenyl	96.2	64.5	67	48 - 120	
2-Fluorophenol	144	46.6	32	20 - 120	
Nitrobenzene-d5	96.2	57.9	60	46 - 120	
Phenol-d5	144	37.7	26	16 - 120	
p-Terphenyl-d14	96.2	50.6	53	24 - 136	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	72339	5.68	106427	5.68	
Acenaphthene-d10	164868	9.69	242116	9.69	
Chrysene-d12	382334	13.88	550996	13.88	
Naphthalene-d8	270210	7.41	393137	7.41	
Perylene-d12	330191	15.13	474227	15.13	
Phenanthrene-d10	302665	11.4	449522	11.4	

* Values outside of QC limits

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

NDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-04 File ID: 1042610-103

Sampled: 04/20/10 17:00 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 21:59

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0325	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	123	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	1.65	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	15.9	mg/L	1		6010B
7439-96-5	Manganese	0.720	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	3.70	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	4.0	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

DUP-1

Field Duplicate of SW

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-02 File ID: 1042610-101

Sampled: 04/20/10 00:00 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 21:49

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	1.57	mg/L	1		6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0518	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	77.2	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	2.79	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	16.2	mg/L	1		6010B
7439-96-5	Manganese	0.101	mg/L	1	J	6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	7.76	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	6.2	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

5/11/10

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-01 File ID: 1042610-100

Sampled: 04/20/10 15:30 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 21:44

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	1.46	mg/L	1		6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0497	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	74.6	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	2.36	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	15.8	mg/L	1		6010B
7439-96-5	Manganese	0.0713	mg/L	1	J	6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	7.65	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	6.1	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

7/1/10

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SWTR-1E

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-03 File ID: 1042610-102

Sampled: 04/20/10 16:30 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 21:54

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.0223	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	88.4	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0040	mg/L	1	U	6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	0.230	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	12.8	mg/L	1		6010B
7439-96-5	Manganese	0.0254	mg/L	1		6010B
7440-02-0	Nickel	0.0100	mg/L	1	U	6010B
7440-09-7	Potassium	5.57	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	6.6	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

6010B

SWTR-TT

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-07 File ID: 1042610-106

Sampled: 04/21/10 09:30 Prepared: 04/26/10 09:30 Analyzed: 04/26/10 22:15

Solids: 0.00 Preparation: 3005A Initial/Final: 50 mL / 50 mL

Batch: 10D2292 Sequence: T001775 Calibration: R10D216 Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	0.200	mg/L	1	U	6010B
7440-36-0	Antimony	0.0200	mg/L	1	U	6010B
7440-38-2	Arsenic	0.0100	mg/L	1	U	6010B
7440-39-3	Barium	0.117	mg/L	1		6010B
7440-41-7	Beryllium	0.0020	mg/L	1	U	6010B
7440-43-9	Cadmium	0.0010	mg/L	1	U	6010B
7440-70-2	Calcium	122	mg/L	1		6010B
7440-47-3	Chromium	0.0040	mg/L	1	U	6010B
7440-48-4	Cobalt	0.0071	mg/L	1		6010B
7440-50-8	Copper	0.0100	mg/L	1	U	6010B
7439-89-6	Iron	10.5	mg/L	1		6010B
7439-92-1	Lead	0.0050	mg/L	1	U	6010B
7439-95-4	Magnesium	26.1	mg/L	1		6010B
7439-96-5	Manganese	0.385	mg/L	1		6010B
7440-02-0	Nickel	0.0120	mg/L	1		6010B
7440-09-7	Potassium	70.8	mg/L	1		6010B
7782-49-2	Selenium	0.0150	mg/L	1	U	6010B
7440-22-4	Silver	0.0030	mg/L	1	U	6010B
7440-23-5	Sodium	65.4	mg/L	1		6010B
7440-28-0	Thallium	0.0200	mg/L	1	U	6010B
7440-62-2	Vanadium	0.0050	mg/L	1	U	6010B
7440-66-6	Zinc	0.0100	mg/L	1	U	6010B

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

NDP

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Ground Water Laboratory ID: RTD1782-04 File ID: H04260W2-39

Sampled: 04/20/10 17:00 Prepared: 04/26/10 14:30 Analyzed: 04/26/10 18:54

Solids: 0.00 Preparation: 7470A Initial/Final: 30 mL / 50 mL

Batch: 10D2454 Sequence: T001707 Calibration: R10D187 Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

DUP-1

Field dup of SDP

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-02
File ID: H04260W2-37
Sampled: 04/20/10 00:00
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 18:50
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SDP

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-01
File ID: H04260W2-36
Sampled: 04/20/10 15:30
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 18:48
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SWTR-1E

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-03
File ID: H04260W2-38
Sampled: 04/20/10 16:30
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 18:52
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

INORGANIC ANALYSIS DATA SHEET

7470A

SWTR-TT

Laboratory: TestAmerica Buffalo
SDG:
Client: New York State D.E.C. - Albany, NY
Project: NYSDEC - Rose Valley Landfill - Site# 622017
Matrix: Ground Water
Laboratory ID: RTD1782-07
File ID: H04260W2-45
Sampled: 04/21/10 09:30
Prepared: 04/26/10 14:30
Analyzed: 04/26/10 19:04
Solids: 0.00
Preparation: 7470A
Initial/Final: 30 mL / 50 mL
Batch: 10D2454
Sequence: T001707
Calibration: R10D187
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.0002	mg/L	1	U	7470A

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

TRIP BLANK

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Water Laboratory ID: RTD1782-21 File ID: T9127.D

Sampled: 04/22/10 00:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 20:34

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U UJ
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U UJ
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U

5/11/10

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

TRIP BLANK

Laboratory: TestAmerica Buffalo SDG:

Client: New York State D.E.C. - Albany, NY Project: NYSDEC - Rose Valley Landfill - Site# 622017

Matrix: Water Laboratory ID: RTD1782-21 File ID: T9127.D

Sampled: 04/22/10 00:00 Prepared: 04/28/10 14:44 Analyzed: 04/29/10 20:34

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 10D2681 Sequence: T001752 Calibration: R10D196 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	2.0	U

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (ug/L)	Q
NOTICS	No TICs found		0.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	24.0	96	66 - 137	
4-Bromofluorobenzene	25.0	20.6	83	73 - 120	
Toluene-d8	25.0	23.2	93	71 - 126	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	351271	9.86	604796	9.86	
1,4-Difluorobenzene	790914	5.68	1263836	5.68	
Chlorobenzene-d5	717015	7.95	1129078	7.95	

* Values outside of QC limits

ATTACHMENT B

SUPPORT DOCUMENTATION

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SM/CD	Lab PM: Brian Fischer	Carrier Tracking No(s): /	COC No: 04142010 13:57 .1
Client Contact: Mike Mason	Phone:	E-Mail: Brian.Fischer@testamericainc.com		Page: 1
Company: New York State D.E.C. - Albany, NY		Parameter(s) Requested		Job #:
Address: 625 Broadway, 12th Floor	Due Date Requested:			Preservation Codes: A=HCL Z=Z; B=NaOH; C=Zn Acetate; D=Nitric Acid; I=Ice; N=None; S=H2SO4; V=MCAA; Container Codes: A=Amber T=Tedlar; G=Glass V=Vial; P=Poly/Plastic; S=Summa
City: Albany	TAT Requested (Business Days): 10			
State, Zip: NY, 12233-7017	PO #:			
Phone: (518) 402-9814	WO #: RT01235			
Email: mamason@gw.dec.state.ny.us	Project #: NYSDEC - REGION 9 REMEDIATION/SPILLS CON			
Project Name: NYSDEC - Rose Valley Landfill - Site# 622017	SSOW#:			

Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOA	TAL Metals Water	VOA	Total Number of containers	Special Instructions/Note:
				Preserv-Cont Code				I-A	N-P	A-V		
SDP	001	4/20/10	1530	G	W			2	*	3	6	
DUP-1	002	4/20/10		G	W			2	*	3	6	
SWTR-1R	003	4/20/10	1630	G	W			2	*	3	6	
NDP	004	4/20/10	1900	G	W			2	*	3	6	
NDP-MS	005	4/20/10	1700	G	W		MS	2	*	3	6	
NDP-MSD	006	4/20/10	1700	G	W		SD	2	*	3	6	
SWTR-1T	007	4/21/10	0930	G	W			2	*	3	6	
SW-04S	008	4/21/10	1105	G	W			2	*	3	6	
SW-04D	009	4/21/10	1235	G	W			2	*	3	6	
MW-04	013	4/21/10	1500	G	W			2	*	3	6	
SW-04D MS	010	4/21/10	1235	G	W		MS	2	*	3	6	

111262

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4/20/10 1500	SAR	[signature]	4/20/10 1500	SAR
[signature]	4/22/10 1900	SAR	[signature]	4/23/10 0400	

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks: 6 C 2 0

Chain of Custody Record

TestAmerica

Client Information	Sampler: SM/CD.	Lab PM: Brian Fischer	Carrier Tracking No(s):	COC No: 0414201D 13:57_2
Client Contact: Mike Mason	Phone:	E-Mail: Brian.Fischer@testamericainc.com		Page: 2
Company: New York State D.E.C. - Albany, NY		Parameter(s) Requested		Job #:
Address: 625 Broadway, 12th Floor	Due Date Requested:			Preservation Codes: A=HCL, B=NaOH, C=Zn Acetate, D=Nitric Acid, E=Hex, F=None, G=H2SO4, H=MCAA, I=Ice, J=DI Water, K=EDTA, L=EDA, M=Hexane, N=None, O=AsNaO2, P=Na2O4S, Q=Na2SO3, R=Na2S2O3, S=H2SO4, T=TSP Dodecahydrate, U=Acetone, V=MCAA, W=pH 4-5, Z=other (specify)
City: Albany	TAT Requested (Business Days): 10			
State, Zip: NY, 12233-7017				
Phone: (518) 402-9814	PO #:			
Email: mamason@gw.dec.state.ny.us	WO #: RTD1235			
Project Name: NYSDEC - Rose Valley Landfill - Site# 622017	Project #: NYSDEC - REGION 9 REMEDIATION/SPILLS CON			Container Codes: A=Amber, B=Bottle, C=Glass, D=Vial, E=Poly Plastic, F=Summa
Site:	SSOW#:			

Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOA	TAL Metals Water	Voa										Total Number of containers	Special Instructions/Note:
				Preserv Cont Code:				I-A	N-P	A-V											
SW-04D MSD	011	4/21/10	1235	G	W		X	2	1	3										6	
MW-16	012	4/21/10	1345	G	W			2	1	3										6	
MW-03	014	4/21/10	1550	G	W			2	1	3										6	
SW-01D	016	4/21/10	1755	G	W			2	1	3										6	
SW-01S	015	4/21/10	1650	G	W			2	1	3										6	
DUP-2	017	4/21/10		G	W			2	1	3										6	
SW-03S	018	4/22/10	0900	G	W			2	1	3										6	
SW-02S	019	4/22/10	0930	G	W			2	1	3										6	
SW-02D	020	4/22/10	1010	G	W			2	1	3										6	

12/2062

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4/22/10 1500		[signature]	4/22/10 1500	DES SYR
[signature]	4/22/10 1700	SYR	[signature]	4/23/10 0800	

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks: 6.2 C

New York State D.E.C. - Albany, NY
625 Broadway, 12th Floor
Albany, NY 12233-7017

Work Order: RTD1782

Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Project Number: NY5A946109

Received: 04/23/10
Reported: 05/17/10 15:15

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

New York State D.E.C. - Albany, NY
625 Broadway, 12th Floor
Albany, NY 12233-7017

Work Order: RTD1782

Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Project Number: NY5A946109

Received: 04/23/10
Reported: 05/17/10 15:15

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8270C	4-Methylphenol	ug/L	5.0	10

New York State D.E.C. - Albany, NY
625 Broadway, 12th Floor
Albany, NY 12233-7017

Work Order: RTD1782

Project: NYSDEC - REGION 9 REMEDIATION/SPILLS CONTRACT
Project Number: NY5A946109

Received: 04/23/10
Reported: 05/17/10 15:15

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
T11	This compound is a calibrated analyte and therefore is qualitatively and quantitatively reported compared to a known standard that is in control.
T7	Tentatively identified compound. Concentration is estimated based on the closest internal standard.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

TIC Analyzed by MS T.I.C. (Tentatively Identified Compound)

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	New York State D.E.C. - Albany, NY	Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Instrument ID:	HP5975T	Calibration:	R10D196
Lab File ID:	T9103.D	Calibration Date:	04/27/10 20:47
Sequence:	T001752	Injection Date:	04/29/10
Lab Sample ID:	T001752-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	25.0	25.5	0.3759185	0.3829405		1.9	100
1,1,2,2-Tetrachloroethane	A	25.0	23.8	1.057135	1.005582	0.3	-4.9	100
1,1,2-Trichloro-1,2,2-trifluoroethane	A	25.0	27.8	0.2843967	0.3160513		11.1	100
1,1,2-Trichloroethane	A	25.0	24.7	0.3299928	0.3256524		-1.3	100
1,1-Dichloroethane	A	25.0	25.0	0.6519784	0.6527445	0.1	0.1	100
1,1-Dichloroethene	A	25.0	26.2	0.3062715	0.3209641		4.8	20
1,2,4-Trichlorobenzene	A	25.0	26.2	1.050107	1.098911		4.6	100
1,2-Dibromo-3-chloropropane	L0	25.0	17.9	0.1232608	0.1127157		-28.6	100
1,2-Dibromoethane	A	25.0	24.8	0.4099259	0.4074165		-0.6	100
1,2-Dichlorobenzene	A	25.0	24.8	1.717461	1.706934		-0.6	100
1,2-Dichloroethane	A	25.0	23.9	0.4764582	0.455764		-4.3	100
1,2-Dichloroethane-d4	A	25.0	21.9	0.3264392	0.2856304		-12.5	100
1,2-Dichloropropane	A	25.0	24.3	0.4117513	0.3997307		-2.9	20
1,3-Dichlorobenzene	A	25.0	24.6	1.774768	1.744765		-1.7	100
1,4-Dichlorobenzene	A	25.0	24.5	1.805213	1.770655		-1.9	100
2-Butanone	A	125	128	0.337328	0.3442358		2.0	100
2-Hexanone	L0	125	109	0.5520437	0.5662619		-13.2	100
4-Bromofluorobenzene	A	25.0	23.7	0.4135957	0.3925929		-5.1	100
4-Methyl-2-pentanone	A	125	131	0.7370635	0.7733149		4.9	100
Acetone	A	125	123	0.1907471	0.1883843		-1.2	100
Benzene	A	25.0	24.5	1.528428	1.498065		-2.0	100
Bromodichloromethane	A	25.0	25.1	0.3330843	0.3349272		0.6	100
Bromoform	L0	25.0	17.8	0.321345	0.322064	0.1	-28.8	100
Bromomethane	A	25.0	30.4	0.126817	0.1543531		21.7	100
Carbon disulfide	L0	25.0	24.4	0.8185994	0.9433961		-2.4	100
Carbon Tetrachloride	A	25.0	25.3	0.3178833	0.3214768		1.1	100
Chlorobenzene	A	25.0	24.3	1.166797	1.134395	0.3	-2.8	100
Chloroethane	A	25.0	26.1	0.1655051	0.1729053		4.5	100
Chloroform	A	25.0	24.7	0.5716045	0.565696		-1.0	20

GC/MS VOLATILE INJECTION LOG

Logbook # A10-02-07
Rev 1, 11/09

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
4/28/10	1543	LA	T9089	RTD1614-02	D1614	5mL		1
	1607		T9090	-03				1
	1631		T9091	-04				1
	1655		T9092	-05				1
	1719		T9093	RTD1773-01	D1773			1
	1743		T9094	-02				1
	1808		T9095	RTD1671-01	D1671			1
	1832		T9096	-02				1
	1856		T9097	RTD1676-01	D1676			1
	1920		T9098	-02				1
	1944		T9099	-03				1
	2008		T9100	RTD1677-01	D1677			1
	2033		T9101	-02				1
4/29/10	0951	LA	T9102	TDD1752-TUN1		5mL		
	1013		T9103	-CCV1				
	1046		T9104	-CCV2				
	1110		T9105	10D2681-BS1				
	1200		T9106	-BLK1				
	1231		T9107	RTD1782-01	D1782			1
	1255		T9108	-02				1
	1319		T9109	-03				1
	1344		T9110	-04				1
	1408		T9111	10D2681-MS1				1
	1432		T9112	-MSD1				1
	1456		T9113	-07				1
	1520		T9114	-08				1
	1544		T9115	-09				1
	1609		T9116	10D2681-MS2				1
	1633		T9117	-MSD2				1
	1657		T9118	-12				1
	1721		T9119	-13				1
	1745		T9120	-14				1
	1809		T9121	-15				1
	1833		T9122	-16				1
	1857		T9123	-17				1
	1921		T9124	-18				1
	1945		T9125	-19				1
	2009		T9126	-20				1

REVIEWED BY________ PAGE 000045

GC/MS VOLATILE INJECTION LOG

Logbook # A10-02-07
Rev 1, 11/09

STD #	IS/SS MIX #	Reflux?	pH <2	Comments
	RTD4139		X	No Anal
	5108		X	QC
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
RTD3585	RTD4139			PASS
RTD5126	5108			8260 (R10D196)
RTD4773				A2O (R10D131-A2O)
RTD3994			—	
			—	
			X	
			X	
			X	
			X	
RTD3994			X	
			X	
			X	
			X	
			X	
RTD3994			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	

REVIEWED BY________ PAGE 000046

GC/MS VOLATILE INJECTION LOG

Logbook # A10-02-07
Rev. 1, 11/09

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
4/29/10	2034	LH	T9127	RTD1782-21	D1782	5mL	7	1
	2058		T9128	IBLK	—			—
	2122		T9129	RTD1481-01	D1481			1
	2146		T9130	-02				1
	2210		T9131	-03				1
	2234		T9132	-04				1
	2258		T9133	-05				1
	2322		T9134	-06				1
	2346		T9135	-07				1
4/30/10	0010		T9136	-10				1

REVIEWED BY_____ PAGE 000047

GC/MS VOLATILE INJECTION LOG

Logbook # A10-02-07
Rev 1, 11/09

STD #	IS/SS MIX #	Refun	pH <2	Comments
	RTD4759		X	
	5708		—	
			X	VHas 5
			X	
			X	
			X	
			X	
			X	
			X	
			X	

REVIEWED BY_____ PAGE 000048

327/1262

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	New York State D.E.C. - Albany, NY	Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Instrument ID:	HP5973V	Calibration:	R10E011
Lab File ID:	V2304.D	Calibration Date:	05/05/10 09:42
Sequence:	T001852	Injection Date:	05/05/10
Lab Sample ID:	T001852-CCV2	Injection Time:	14:06

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4,5-Tetrachlorobenzene	A	50.0	63.7	0.2945368	0.374998		27.3	100
2,3,4,6-Tetrachlorophenol	L	50.0	56.7	0.2449964	0.304213		13.5	100
Acetophenone	A	50.0	46.2	1.913173	1.765776		-7.7	25
Atrazine	A	50.0	60.1	0.1722513	0.2070342		20.2	25
Benzaldehyde	A	50.0	43.9	1.072974	0.9413737		-12.3	25
Biphenyl	A	50.0	49.5	1.42971	1.416285		-0.9	25
Caprolactam	L	50.0	47.5	9.900214E-02	0.1046092		-5.1	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:
A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Form 7

CONTINUING CALIBRATION CHECK

8270C

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	New York State D.E.C. - Albany, NY	Project:	NYSDEC - Rose Valley Landfill - Site# 622017
Instrument ID:	HP5973V	Calibration:	R10E011
Lab File ID:	V2334.D	Calibration Date:	05/05/10 09:42
Sequence:	T001853	Injection Date:	05/06/10
Lab Sample ID:	T001853-CCV2	Injection Time:	02:23

		CONC. (ng/ul)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4,5-Tetrachlorobenzene	A	50.0	64.1	0.2945368	0.3773688		28.1	100
2,3,4,6-Tetrachlorophenol	L	50.0	60.6	0.2449964	0.3258969		21.1	100
Acetophenone	A	50.0	46.8	1.913173	1.792702		-6.3	25
Atrazine	A	50.0	61.7	0.1722513	0.2124311		23.3	25
Benzaldehyde	A	50.0	46.1	1.072974	0.9892317		-7.8	25
Biphenyl	A	50.0	49.8	1.42971	1.423343		-0.4	25
Caprolactam	L	50.0	50.0	9.900214E-02	0.1111549		0.0	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Calibration Type Legend:
A: Average RF
L: Linear through Intercept
Q: Quadratic
L0: Linear forced through Zero
L1: 1/x Weighted Linear through Intercept
L2: 1/x2 Weighted Linear through Intercept
L01: 1/x Weighted Linear forced through Zero
L02: 1/x2 Weighted Linear forced through Zero

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10E011.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : C:\MSDCHEM\1\DATA\050510\V2291.D A193
Injection Date : 5 May 2010 Log Time Period (hrs) : ALL
Injection Time : 09:03 Total files within period : 75
Sample Directory : C:\MSDCHEM\1\DATA\050510\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info (Standard 305)	Date	Time
V2292	1.00	1.00	1.00	T001851-TUN1 RT04472	5 May 2010	09:25
V2293	1.00	1.00	1.00	T001851-CAL6 RT04987	5 May 2010	09:42
V2294	1.00	1.00	1.00	T001851-CAL5 RT04986	5 May 2010	10:07
V2295	1.00	1.00	1.00	T001851-CAL4 RT04985	5 May 2010	10:32
V2296	1.00	1.00	1.00	T001851-CAL3 RT04984	5 May 2010	10:57
V2297	1.00	1.00	1.00	T001851-CAL2 RT04983	5 May 2010	11:22
V2298	1.00	1.00	1.00	T001851-CAL1 RT04982	5 May 2010	11:47
V2299	1.00	1.00	1.00	T001851-LCV1 RT04991	5 May 2010	12:11
V2300	1.00	1.00	1.00	T001851-SCV1 RT04990	5 May 2010	12:36
V2301	1.00	1.00	1.00	A193 SPIKE VERIFICATION RT05592	5 May 2010	13:01
V2302	1.00	1.00	1.00	T001852-TUN1 RT04472	5 May 2010	13:24
V2303	1.00	1.00	1.00	T001852-CCV1 RT04984	5 May 2010	13:41
V2304	1.00	1.00	1.00	T001852-CCV2 RT04427	5 May 2010	14:06
V2305	1.00	1.00	1.00	10D2551-BS1	5 May 2010	14:31
V2306	1.00	1.00	1.00	RTD1812-09	5 May 2010	14:56
V2307	1.00	1.00	1.00	RTD1812-10	5 May 2010	15:21
V2308	1.00	1.00	1.00	RTD1812-11	5 May 2010	15:46
V2309	1.00	1.00	1.00	RTD1812-12@10X	5 May 2010	16:11
V2310	1.00	1.00	1.00	RTD1812-13@10X	5 May 2010	16:35
V2311	1.00	1.00	1.00	RTD1812-14	5 May 2010	17:00
V2312	1.00	1.00	1.00	RTD1812-15@100X	5 May 2010	17:25
V2313	1.00	1.00	1.00	RTD1812-16	5 May 2010	17:50

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10E011.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : C:\MSDCHEM\1\DATA\050510\V2291.D
Injection Date : 5 May 2010 Log Time Period (hrs) : ALL
Injection Time : 09:03 Total files within period : 75
Sample Directory : C:\MSDCHEM\1\DATA\050510\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info		Date Time
V2314	1.00	1.00	1.00	RTD1812-17		5 May 2010 18:15
V2315	1.00	1.00	1.00	RTD1812-18		5 May 2010 18:40
V2316	1.00	1.00	1.00	10E0212-BLK1		5 May 2010 19:05
V2317	1.00	1.00	1.00	10E0212-BS1		5 May 2010 19:30
V2318	1.00	1.00	1.00	10E0212-BSD1		5 May 2010 19:55
V2319	1.00	1.00	1.00	RTE0266-01		5 May 2010 20:20
V2320	1.00	1.00	1.00	10D2326-BLK1		5 May 2010 20:45
V2321	1.00	1.00	1.00	10D2326-BS1		5 May 2010 21:10
V2322	1.00	1.00	1.00	10D2326-MS1		5 May 2010 21:34
V2323	1.00	1.00	1.00	10D2326-MS2		5 May 2010 21:59
V2324	1.00	1.00	1.00	10D2326-MSD1		5 May 2010 22:24
V2325	1.00	1.00	1.00	10D2326-MSD2		5 May 2010 22:49
V2326	1.00	1.00	1.00	RTD1734-01		5 May 2010 23:14
V2327	1.00	1.00	1.00	RTD1734-02		5 May 2010 23:39
V2328	1.00	1.00	1.00	RTD1782-01		6 May 2010 00:04
V2329	1.00	1.00	1.00	RTD1782-02		6 May 2010 00:29
V2330	1.00	1.00	1.00	RTD1782-03		6 May 2010 00:54
V2331	1.00	1.00	1.00	RTD1782-04		6 May 2010 01:19
V2332	1.00	1.00	1.00	T001853-TUN1	RTD4472	6 May 2010 01:42
V2333	1.00	1.00	1.00	T001853-CCV1	RTD4484	6 May 2010 01:59
V2334	1.00	1.00	1.00	T001853-CCV2	RTD4477	6 May 2010 02:23
V2335	1.00	1.00	1.00	RTD1782-07		6 May 2010 02:48

1.24

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10E011.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : C:\MSDCHEM\1\DATA\050510\V2291.D
Injection Date : 5 May 2010 Log Time Period (hrs) : ALL
Injection Time : 09:03 Total files within period : 75
Sample Directory : C:\MSDCHEM\1\DATA\050510\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date Time
V2336	1.00	1.00	1.00	RTD1782-08	6 May 2010 03:13
V2337	1.00	1.00	1.00	RTD1782-09	6 May 2010 03:38
V2338	1.00	1.00	1.00	RTD1782-12	6 May 2010 04:03
V2339	1.00	1.00	1.00	RTD1782-13	6 May 2010 04:28
V2340	1.00	1.00	1.00	RTD1782-14	6 May 2010 04:53
V2341	1.00	1.00	1.00	RTD1782-15	6 May 2010 05:18
V2342	1.00	1.00	1.00	RTD1782-16	6 May 2010 05:43
V2343	1.00	1.00	1.00	RTD1782-17	6 May 2010 06:07
V2344	1.00	1.00	1.00	RTD1782-18	6 May 2010 06:32
V2345	1.00	1.00	1.00	RTD1782-19	6 May 2010 06:57
V2346	1.00	1.00	1.00	RTD1782-20	6 May 2010 07:22
V2347	1.00	1.00	1.00	10D2829-BLK1	6 May 2010 07:47
V2348	1.00	1.00	1.00	10D2829-BS1	6 May 2010 08:12
V2349	1.00	1.00	1.00	10D2829-MS1@50X	6 May 2010 08:37
V2350	1.00	1.00	1.00	10D2829-MSD1@50X	6 May 2010 09:01
V2351	1.00	1.00	1.00	RTD2064-01@50X	6 May 2010 09:26
V2352	1.00	1.00	1.00	RTD2064-02@20X	6 May 2010 09:51
V2353	1.00	1.00	1.00	10E0086-BLK1	6 May 2010 10:16
V2354	1.00	1.00	1.00	10E0086-BLK2	6 May 2010 10:41
V2355	1.00	1.00	1.00	10E0086-BS1	6 May 2010 11:05
V2356	1.00	1.00	1.00	10E0086-BSD1	6 May 2010 11:30
V2357	1.00	1.00	1.00	RTD2027-01	6 May 2010 11:55

Injection Log Summary Report

Method : C:\MSDCHEM\1\MET...0\8270-R10E011.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Start (Tune) File ID : C:\MSDCHEM\1\DATA\050510\V2291.D
Injection Date : 5 May 2010 Log Time Period (hrs) : ALL
Injection Time : 09:03 Total files within period : 75
Sample Directory : C:\MSDCHEM\1\DATA\050510\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
V2358	1.00	1.00	1.00	RTD2052-01	6 May 2010	12:20
V2359	1.00	1.00	1.00	RTD2052-02	6 May 2010	12:45
V2360	1.00	1.00	1.00	RTD2120-07	6 May 2010	13:10
V2361	1.00	1.00	1.00	10E0333-BLK1	6 May 2010	13:35
V2362	1.00	1.00	1.00	10E0333-BS1	6 May 2010	14:00 B:42
V2363	1.00	1.00	1.00	10E0333-BS2	6 May 2010	14:24
V2364	1.00	1.00	1.00	10E0333-BS3	6 May 2010	14:49
V2365	1.00	1.00	1.00	10E0333-BS4	6 May 2010	15:14
V2366	1.00	1.00	1.00	A193 SPIKE VERIFICATION RT05592	6 May 2010	15:39

Analyst: MKP
Inj. Volume: 1.0uL
NG I.S: 400 **IS ID:** 912072/906095/906096

MeCl$_2$ Lot # J07E18 **used for all sample dilutions. Manufacturer** J.T. Baker

FIELD DUPLICATE COMPARISON
APRIL 2010 SAMPLING EVENT
ROSE VALLEY LANDFILL

		LOCATION SDP					
Parameter	**Units**	**SDP**	**DUP-1**	**Difference**	**RPD**	**QL**	**5 X QL**
Aluminum	UG/L	1460	1570	--	7.3%	200	1000
Barium	UG/L	49.7	51.8	--	4.1%	2	10
Calcium	UG/L	74600	77200	--	3.4%	500	2500
Iron	UG/L	2360	2790	--	16.7%	50	250
Magnesium	UG/L	15800	16200	--	2.5%	200	1000
Manganese	UG/L	71.3	101	--	**34.5%**	3	15
Potassium	UG/L	7650	7760	--	1.4%	500	2500
Sodium	UG/L	6100	6200	--	1.6%	1000	5000
		LOCATION SW-01D					
Parameter	**Units**	**SW-01D**	**DUP-2**	**Difference**	**RPD**	**QL**	**5 X QL**
Barium	UG/L	70.2	71.2	--	1.4%	2	10
Calcium	UG/L	27600	28600	--	3.6%	500	2500
Iron	UG/L	631	292	--	**73.5%**	50	250
Magnesium	UG/L	13500	14000	--	3.6%	200	1000
Manganese	UG/L	11.8	8.8	3	29.1%	3	15
Potassium	UG/L	1890	1940	50	2.6%	500	2500
Sodium	UG/L	9900	10200	--	3.0%	1000	5000

If concentration is less than 5 times the QL, difference must be less than QL.

APPENDIX E

WELL INSPECTION FORMS

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 15:50

WELL ID: MW-3

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 3.03

DEPTH TO BOTTOM: 17.45 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 1500

WELL ID: MW-4

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 2.63

DEPTH TO BOTTOM: 17.76 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 13:45

WELL ID: MW-16

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 3.00

DEPTH TO BOTTOM: 11..73 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 16:50

WELL ID: SW-01S

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 19.05

DEPTH TO BOTTOM: 28.63 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 17:55

WELL ID: SW-01D

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 67.13

DEPTH TO BOTTOM: 84.12 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 16:15

WELL ID: SW-02S

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 12.36

DEPTH TO BOTTOM: 20.15 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 16:20

WELL ID: SW-02D

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 70.10

DEPTH TO BOTTOM: 79.35 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 16:10

WELL ID: SW-03S

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 12.81

DEPTH TO BOTTOM: 18.95 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 11:05

WELL ID: SW-04S

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: 2.83

DEPTH TO BOTTOM: 8.28 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS:

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

MONITORING WELL INSPECTION FORM

SITE NAME: Rose Valley Landfill

JOB#: 11176167

DATE: 4/21/2010

TIME: 12:35

WELL ID: SW-04D

EXTERIOR INSPECTION

PROTECTIVE CASING: OK

LOCK/HASP: Not present

HINGE/ LID: OK

WELL PAD: OK

BOLLARDS: None

LABEL/ID: None

OTHER:

INTERIOR INSPECTION

WELL RISER: OK

ANULAR SPACE: OK

WELL CAP: OK

WATER LEVEL: >+10.0

DEPTH TO BOTTOM: 83.6 HARD/SOFT BOTTOM Soft

OTHER:

COMMENTS: Artesian well. Water level was > 10.0+ feet above top of riser. Used fernco and 10' PVC to extend riser.

SIGNATURE INSPECTOR: SIGNATURE APPROVAL:

LOCK KEY # None

APPENDIX F

LANDFILL INSPECTION FORM

ROSE VALLEY LANDFILL SITE – POST CLOSURE

NYSDEC SITE NO. 6-22-017

INSPECTION LOG SHEET

Date: 4/22/10 **Inspector:** Chuck Dysel

Weather: cloudy, windy **Signature:** C. Dysel

Temperature: approx 45° F **Company:** URS Corp

Type: Winter (Spring) Summer Fall
(Circle One)

Item Inspected	Maintenance Needed (Y/N)	Comments	Inspector's Initials
Drainage Channel	Yes	west side of landfill erosion has undermined stone channel	CD.
Groundwater Monitoring Wells	Yes	Need new locks see well inspection sheets.	CD.
Perimeter Access Road	No	access Road on Landfill in good shape	CD.
Vegetative Cover	No	good condition	CD
Repaired Vegetation	N/A		
Final Cover Layers (Cap Settlement, etc.)	No	good condition	CD.
Gas Vents	No	good condition	CD
Fence and Gates	No	good condition	CD.
Other Items: (Specify)		erosion has occured outside of landfill	
Other Items: (Specify)		North of stone channel near North detention basin	CD.

TABLE 2

LANDFILL CAP AND SITE STORMWATER MANAGEMENT SYSTEM

MINIMUM CHECKLIST FOR ROUTINE INSPECTIONS

Component	Item	Number/Location/ Area Checked	Condition
Cap Grading	Obvious subsidences, depressions, or cracks None Evidence of ponded water No Stressed vegetation None Signs of erosion occurring at a localized change in grade No Evidence of Breaching of toe No Animal burrows None Other:	entire cap was inspected.	good condition
Cap Vegetation and Repaired Vegetation	Areas of sparse, dead, or missing vegetation - None Small rill erosion - None observed Animal burrows - None Other:	entire cap	good condition
Drainage Channel	Missing or displaced stones - None Woody vegetation growing in the stones or grass cover None	All	good condition
GW Monitoring Wells	Condition of lock and cover Signs of damage to casing or collar Condition of weep hole from casing Evidence of tampering Other:	All	see well inspection logs

Component	Item	Number/Location/ Area Checked	Condition
Fences, Gates and Perimeter Access Road	Cutting or bending of fence fabric No Missing locks, hinges, etc. from gates - No Motorbike or snowmobile tracks Shotgun shell casings - None Beer cans or other trash Minor Other signs of access or vandalism None Condition of access road surface Okay Other:	entire fence line inspected	tracks from ATVs, etc are all outside fenced area.
Gas Vent	Integrity of pipes and joints Okay Plumbness and differential settlement None Obstruction of vents by bird, insect or animal nests None Corrosion or deterioration of pipes or supports None Localized browning of vegetation None Other:	All Vents	good condition