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1998 Annual Report

Rome (Tannery Road) Landfill
Rome, New York

Prepared for:
City of Rome
Rome, New York 13440

Prepared by:
Earth Tech
12 Metro Park Road
Albany, NY 12205

May 1999

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APPENDICES

1.0 PURPOSE AND SCOPE

This document presents the 1998 annual report for the post-closure operations, maintenance and monitoring activities provided by the City of Rome for the Rome (Tannery Road) Landfill located in the City of Rome, Oneida County, New York.

Landfill closure activities provided by the City of Rome included, in part, waste excavation and relocation (for landfill footprint reduction), installation of an engineered final cover system incorporating a geomembrane barrier layer, installation of a slurry wall around the landfill perimeter, installation of four groundwater/leachate recovery wells inside the landfill limits and wetlands mitigation. Final closure of the landfill was completed in September 1997. The closure certification report for the landfill closure work (Earth Tech, 1998) was approved by the New York State Department of Environmental Conservation (NYSDEC) in January 1999.

This post closure landfill activities, including this annual report, follow from the City's NYSDEC-approved Operations, Maintenance and Monitoring (OM&M) Plan. The City's OM&M Plan (Earth Tech, 1998) was approved by the NYSDEC on July 3, 1998.

Post-closure operations, maintenance and monitoring for the landfill, as outlined in the NYSDEC-approved OM&M Plan, commenced in September, 1998. As described in the following sections, the majority of the post closure activities from September through December 1998 were provided for the City by personnel from Earth Tech, Inc.; remaining activities were provided directly by City personnel.

This document presents and summarizes significant results for the 1998 post-closure landfill activities, as follows:

- Section 2.0 summarizes the routine, periodic inspections conducted for the landfill during 1998.
- Section 3.0 summarizes the results of the groundwater/leachate pumping program provided during 1998.
- Section 4.0 summarizes the results of the groundwater monitoring program provided during 1998.

Following from the information provided in the following sections, no significant deviations from the NYSDEC-approved OM&M Plan occurred during the period of September through December 1998.

2.0 SITE INSPECTIONS

2.1 WEEKLY INSPECTIONS

Weekly landfill inspections were provided directly by City personnel during the period of September through December, 1998, in accordance with Section 3.1.1 (Weekly Activities) of the NYSDEC-approved OM&M Plan. The weekly inspections addressed performance and operability of the groundwater/leachate pumping system, including system alarm conditions, and general site security requirements. Copies of the weekly inspection records are maintained by the City and indicate the date and time of inspection, the name of the inspector, the nature of the inspection and/or maintenance activity and the conditions observed or repairs made.

Earth Tech was not informed of any significant maintenance or repair issues arising from the City's weekly inspection program during the period of September through December 1998.

2.2 MONTHLY INSPECTIONS

Monthly inspections of the closed landfill were conducted on September 23, 1998, October 22, 1998, November 21, 1998 and December 18, 1998 by personnel from Earth Tech, Inc. In accordance with Section 3.1.1 (Monthly Activities) of the NYSDEC-approved OM&M Plan, the inspections addressed, in part, general site conditions, local off-site conditions, landfill cover conditions, including specific inspection for leachate seeps, operability of the passive gas vents and the groundwater/leachate pumping system meters and related appurtenances. Water levels for the site's groundwater monitoring wells and piezometers were also measured during the monthly inspections. Copies of the completed inspection log sheets are provided in Appendix A.

No significant maintenance or repair issues were identified during the monthly inspections. The following maintenance/repair issues were identified during the monthly inspections:

- Obstructions were encountered in groundwater/leachate monitoring wells MW-10 and MW-11 (these two wells are screened just below the waste mass, in the underlying lacustrine sand). Due to the obstructions water levels were unable to be obtained during the December monthly event. The obstruction also prevented the collection of a groundwater/leachate sample from well MW-10, during the annual baseline groundwater monitoring event (September 1998) and the quarterly routine monitoring event (December 1998).

- The leachate collection system meter pit located on top of the landfill had minor volumes of water (1-3 inches) collected in the base of the pit. It appeared that the source of the water was surface water infiltration through the base concrete joints. No direct environmental impact (i.e. equipment damage, etc.) was observed resulting from the collected water.

- The planned five (5) perimeter fence man gates were not installed as of December 1998. The fence fabric extended continuously across the gates, preventing access. It is noted that this is not a environmental issue.

- A surveyed measuring point elevation was not available for Piezometer PZ-1, therefore, water level elevations could not be determined for this water level monitoring point. Depth-to-water measurements for this piezometer were obtained during the monthly inspections.

- Monitoring well 6S could not be located, however, this well is not part of the landfill's on-going groundwater monitoring program nor the on-going water level monitoring program, as specified in the NYSDEC-approved OM&M Plan.

During the December 18, 1998 monthly inspection, the landfill's 45 passive landfill gas vents were surveyed for hydrogen sulfide levels, in accordance with Section 3.2 (Gas Venting System) of the NYSDEC-approved OM&M Plan. Hydrogen sulfide levels emanating from the passive vents were measured using a calibrated, hand-held Tri-X™ gas meter. The results of this survey are provided in Appendix A, with the December 18, 1998 monthly inspection log sheets. These results indicate that concentrations of hydrogen sulfide were detected at 10 of the 45 total gas vents, with all detected concentrations below 3.0 parts per million (ppm). It is noted that these levels were all below the action level specified for hydrogen sulfide in the Health and Safety Plan included in the NYSDEC-approved OM&M Plan. In addition, it is noted these measured levels were significantly below the hydrogen sulfide levels measured for the passive gas vents in September 1997. Lastly, the results of the monthly inspections for the passive gas vents equipped with flares generally indicated that insufficient gas flow was available to maintain a lit flare.

During the latter part of 1998 City personnel provided for the semi-annual landfill inspection and related maintenance activities. These activities included, in part, replacement of the spark plugs and flame arrestor screens (the later as necessary) on the passive gas vent flares, detailed inspection of the surface water drainage system and detailed inspection and maintenance of the groundwater/leachate pumping equipment, including pump pulls, exercise of all switches and alarms and checking of all liquid level sensors. During the later activity the depth of the recovery well switches were appropriately adjusted, based on liquid level and flow data. Earth Tech was not informed of any significant maintenance or repair issues arising from the City's semi annual inspection and maintenance activities during the period of September through December 1998.

3.0 GROUNDWATER/LEACHATE PUMPING SYSTEM

During the monthly inspections, readings from the flow totalizer provided in the meter pit for each of the four recovery wells were recorded, to document the volume of leachate removed from each recovery well. Through December 18, 1998, total leachate flows, as measured by the meter pit flow totalizers, were as follows:

RW-1:	998,300 gallons
RW-2:	1,403,300 gallons
RW-3:	366,300 gallons
RW-4:	328,900 gallons

The results from the November 21, 1998 monthly water level monitoring event were used to create a potentiometric surface map of the water table across the landfill unit. This potentiometric map is provided in Appendix B. For this map, the water table contours are solid in areas where the number of "control points" were sufficient and dashed where water table contours were estimated, based on surface topography and a limited number of control points. This map indicates that elevated water levels were exhibited across the landfill, interior to the slurry wall, in comparison to water levels outside of the slurry wall. It is expected that continued pumping of the four groundwater/leachate pumping wells will reduce the elevated water levels within the landfill unit and ultimately produce inward gradient conditions.

4.0 GROUNDWATER MONITORING PROGRAM

4.1 ANNUAL BASELINE MONITORING EVENT

Samples were collected from the designated groundwater monitoring wells (except MW-10, due to well obstruction; reference Section 2.2, above) for the annual baseline monitoring event by Earth Tech personnel during the period of September 23 - 24, 1998. Sample collection, including well purging, was conducted in accordance with the well sampling procedures and protocols specified in the NYSDEC-approved OM&M Manual. The groundwater samples were delivered to SCILAB ALBANY Inc. (Latham, New York), under chain-of-custody documentation, for analysis. SCILAB ALBANY Inc. is certified by the New York State Department of Health under its Environmental Laboratory Accreditation Program (ELAP).

The analytical results for the September 1998 annual baseline event are provided in Appendix C1. Appendix D provides a tabular summary of the data results, as well as a comparison of the monitoring results to the NYSDEC's groundwater standards (6 NYCRR Part 703). This table indicates various exceedances of the New York State groundwater standards. It is noted that for the majority of the exceedances, the parameter concentrations outside of the landfill and the slurry wall are significantly reduced from the concentrations measure within the landfill (as reported at Well MW-12).

4.2 QUARTERLY ROUTINE MONITORING EVENT

Samples were collected from the designated groundwater monitoring wells (except MW-10, due to well obstruction; reference Section 2.2, above) for the fourth quarter 1998 quarterly routine monitoring event by Earth Tech personnel during the period of December 17-18, 1998. Sample collection, including well purging, was conducted in accordance with the well sampling procedures and protocols specified in the NYSDEC-approved OM&M Manual. The groundwater samples were delivered to SCILAB ALBANY Inc. (Latham, New York), under chain-of-custody documentation, for analysis. SCILAB ALBANY Inc. is certified by the New York State Department of Health under its Environmental Laboratory Accreditation Program (ELAP).

The analytical results for the are provided in Appendix C2. Appendix D provides a tabular summary of the data results, as well as a comparison of the monitoring results to the NYSDEC's groundwater standards (6 NYCRR Part 703). This table indicates various exceedances of the New York State groundwater standards. It is noted that for the majority of the exceedances, the parameter concentrations outside of the landfill and the slurry wall are significantly reduced from the concentrations measure within the landfill (as reported at Well MW-12).

APPENDIX A

MONTHLY INSPECTION RESULTS

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST Project # 35122.10130

Date & Time: 9/23/98 Inspector: RST, REG
Weather: fair, clear, ~65°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road: Condition:	OK	
Pump #1 Hours: 007168 Pump #2 Hours:	006833	
Leachate Collection System:		
Meter Panel at Tannery Rd entrance		
Panel - note conditions and any alarms:	OK	
Autodialer - test	No test conducted OK	
Totallizers (on Panel display at Tannery Rd)		
RW-1 025038 RW-3	007861	
RW-2 028445 RW-4	009623	
"Call" indicator lights on on all 4 meters		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	
Totallizers (in meter pit) ON LANDFILL		
RW-1 0830100 RW-3	0299800	
RW-2 1138200 RW-4	0275400	
Approx. 1-2" water in pit.		
Landfill Cover Inspection		
Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:	NONE	
Northeast seep condition:	NONE	
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		
Flares ignited	OK	
Perimeter fence	OK	
Erosion/animal burrows	NO	If YES, describe:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: _____ Inspector: _____

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.40	441.19	
MW - 3S	456.4	5.90	450.50	
MW - 4S	456.19	7.35	448.84	
MW - 5S	457.15	8.70	448.45	
MW - 7D	451.79	12.20	439.59	
MW - 9S	456.38	6.90	449.48	
MW - 10	488.29	34.10	454.19	
MW - 11	503.95	37.60	466.35	
MW - 12	483.11	30.20	452.91	
PZ - 1*	452	10.20	441.80	

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES: Totalizers on ~~PS~~ Panel at Road Entrance gate front

RW-1 835191
RW-2 936870
RW-3 2201398
RW-4 248015

Panel OK

RUST **Rust Environment & Infrastructure** *Daily Field Report*

Project No.: 203446.10100 Report No.: _____

Date: 9/28/98 Page 1 of 1

HAD 5 ITEMS ON CHECK LIST FOR ROME LAND FILL. # METER PIT ON TOP OF LAND FILL NEEDS FILL AROUND IT TO KEEP WATER FROM POOLING UP AROUND IT & LEAKING IN PIT.

MAN GATES IN PERIMETER FENCE TO GET TO WELLS ON OUTSIDE ARE NOT IN, THEY ONLY HAVE A STEEL POST SET IN CONCRETE NO GATE.

RD BETWEEN MAIN GATE & LAND FILL GATE LOOKS OK NOW, DO NOT KNOW IF IT HAS BEEN FIXED EVERY THING IS DRY NOW. DID NOT SEE ANY SIGN OF RUTTS WHERE ANY BODY GOT STUCK.

CHECKED TOE INSIDE OF FENCE ALL AROUND LAND FILL FOR WASH OUTS, THERE WAS NONE

GRASS ON LAND FILL IS OK, I DID NOT FIND ANY AREAS WHERE IT WAS BARE.

DID NOT SEE ANY BODY FROM CITY TO ASK ABOUT IF THEY HAVE CHANGED PLUGS & CLEANED FLAME ARESTORS IN TORCHES.

TWO WELLS ON TOP OF LAND FILL MW-10 & MW 11 HAVE BLOCKAGE AT ABOUT 24' COULD NOT GET BY TO SAMPLE MW-10 BUT COULD GET WATER LEVEL AT MW-10

X # GRASS ON BACK SIDE OF LAND FILL HAS NOT BEEN MOWED LATELY IS A LOT HIGHER THAN WHAT YOU CAN SEE FROM FRONT GATE.

MAN GATES NEED TO BE PUT IN, TO SAVE GOING ALL THE WAY AROUND TO SAMPLE.

Signature: Roger Gray

White Copy - Library File Yellow Copy - Owner Pink Copy - Employee's Field File

Rev. 4/96 F201-2/CRS

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 10-22-98 9:00 Inspector: RFH B. Sweeney
Weather: CLOUDY

GENERAL INSPECTION

1. General Site Condition:

Gates	
Outer gate condition/locks	OK
Inner gate condition/locks	OK
Access Road - surface/paving/snow	GOOD
Perimeter Fence and Gates	FENCE OK, NO MAN GATES
Manholes along road, erosion, overflows etc.	OK
Overall appearance (trash/litter)	OK

2. Off Site Conditions

Condition of Tannery Road, potholes etc.	GOOD
Creek Appearance, color, iron flock, odor etc.	RUST COLOR
Anything else, storm damage, vandalism etc.	—

LANDFILL COVER INSPECTION

1. Cover Condition

Grass growth	GOOD
Erosion/Animal Burrows	NONE
Other	—

2. Leachate seeps

Western Seep Condition:	DRY
Northeast Seep Condition:	DRY
Any New Seeps, If yes describe:	—

3. Gas Vents

General Condition	GOOD
Unusual Odors, which vents	
Flares Ignited	ONLY 1 FLARE ON #6
Plugs Cleaned/replaced etc.	PLUGS HAVE NOT BEEN CHANGED
Other	

LEACHATE COLLECTION SYSTEM (LCS) INSPECTION

1. **Pump Station at Tannery Rd. Entrance**
   - Condition of Panel etc. GOOD
   - Pump #1 Hours: 7347
   - Pump #2 Hours: 7526

2. **Meter Panel at Tannery Rd. Entrance**
   - Condition of Panel etc. GOOD
   - Alarms/Indicator Lights NO
   - Autodialer Test

   Totalizers RW-1 911647 RW-2 936871
   RW-3 2231699 RW-4 272320

3. **Panels/Wells/Meters on Top of Landfill**
   - Meter Panel, condition etc. GOOD
   - Alarms/Indicator Lights NONE

   Totalizers, on panel RW-1 27050 RW-2 30270
   RW-3 8571 RW-4 10237

   Meter Pit, condition, water in pit etc. 2" WATER
   Well Pumps #1,2,3,4,
   Condition, integrity

   Totalizers, in pit RW-1 9071 "" RW-2 12579 ""
   RW-3 3302 "" RW-4 2099 ""

4. **Any Other Observations/Notes:**

MW-7D NO WELL CAP. STAINLESS 2"

MW-2PD NO WELL CAP.

FLARES #6 WAS THE ONLY ONE LIT ALL THE REST ARE ON & NOT LIT. DOES NOT LOOK LIKE SPARK PLUGS HAVE BEEN CHANGED SINCE THE FLARES HAVE BEEN PUT IN

MW-11 PROBED WELL WITH 1" PVC WOULD NOT GO BY OBSTRUCTION 3/4" PROBE MAKES IT OBSTRUCTIONS AT 84.0 & 89.2 PROBE CAME BACK UP COVERED WITH MUNG. PVC HAS LARGE BEND IN IT.

MW-10 PROBED WELL WITH 1" PVC WILL NOT GO 1" HITS AT 15' & WILL NOT GO. 3/4" HITS AT 26.6 BUT WILL GO PAST. TOOK PICTURES OF BOTH WELLS & DONE WATER LEVELS AT BOTH WELLS. LOOKS LIKE BOTH WELLS ARE BROKE.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 10-22-98 9:00 Inspector: REH B. Sweeney

PVC TO CASING

Monitoring Well Water Level and Sampling Data

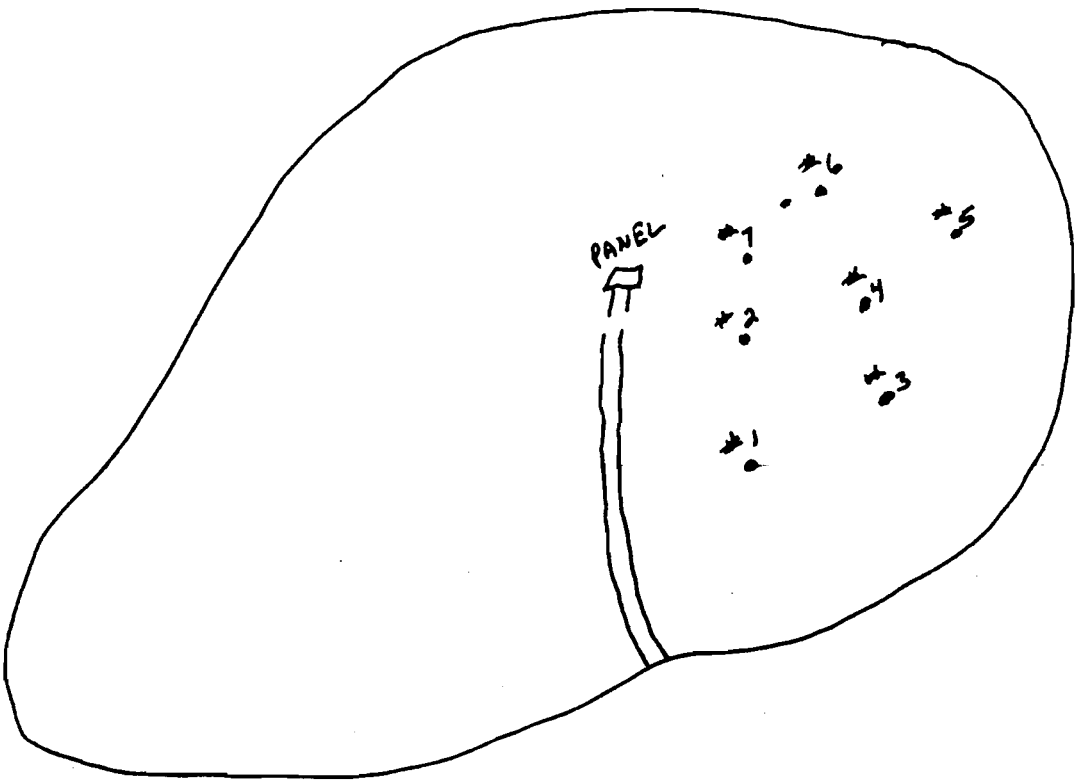
	WELL	Measure Point Elevation	Total Well Depth (TWD)	Depth to ground water (DGW)	Length of water Column (LWC) (TWD - DGW)	One Well Volume (OWV) (LWC / 2)	Three Well Volumes (OWV x 3)	FIELD PARAMETERS				TIME Start	TIME Stop
								pH	Conductance	Turbidity	Temperature		
1 1/4" BELOW	MW-1S	449.59	10.3	7.68	2.62								
1 3/4" ABOVE	MW-1D		32.00	8.40	23.60								
1/8" BELOW	MW-2S	459.44	15.50 ~~15.4~~	9.23	6.27								
2 1/4" ABOVE	MW-2PS		49.67	9.48	40.19								
1 3/8" ABOVE	MW-2PD		63.00	14.82	48.18								
3/4" ABOVE	MW-2D		28.66	9.16	19.50								
2" BELOW	MW-3S	456.4	16.73 ~~16.6~~	5.16	11.57								
5/8" BELOW	MW-4S	456.19	16.72 ~~16.85~~	7.05	9.67								
1 1/2" ABOVE	MW-4P		50.00	7.22	42.78								
1/4" BELOW	MW-4D		32.10	8.00	24.10								
1/2" BELOW	MW-5S	457.15	18.65 ~~18.05~~	9.23	9.42								
1/8" BELOW	MW-5D		35.43	9.40	26.03								
	MW-6S		CAN	NOT	FIND								
1/8" ABOVE	MW-7S	452.25	13.68	12.33	1.35								
1/8" ABOVE	MW-7D		35.16 ~~34.8~~	12.35	22.81								
3/4" ABOVE	MW-8S		17.68	9.45	8.23								
1/8" BELOW	MW-9S	456.38	17.27 ~~16.85~~	6.00	11.27								
4 1/2" BELOW	MW-10	488.29	55.47 ~~55.0~~	34.40	21.07								
6 1/2" BELOW	MW-11	503.95	69.77 ~~69.7~~	50.34	19.43								
5 1/2" BELOW	MW-12	483.11	48.13 ~~48.2~~	30.61	17.52								
2" BELOW	PZ-1	452	21.36 ~~21.2~~	10.05	11.31								

All wells at Tannery Road Landfill are 2.0 in. PVC inner casing.
PZ-1 elevation is estimated - needs to be surveyed.

LIST

PROJECT _____ Approved By _____ Date _____

FLARES



#1 NOT ON (TURNED IT ON)
#2 ON NOT LIT
#3 ON NOT LIT
#4 ON NOT LIT
#5 ON NOT LIT
#6 ON & LIT
#7 ON NOT LIT

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 11/21 10:00 Am Inspector: B. Sweeney
Weather: Cloudy / RAIN.

GENERAL INSPECTION

1. General Site Condition:

Gates
- Outer gate condition/locks: OK, Locked, but not how we left it.
- Inner gate condition/locks: OK

Access Road - surface/paving/snow: 2 sets of Truck Track, recent.
Perimeter Fence and Gates: OK
Manholes along road, erosion, overflows etc.: OK
Overall appearance (trash/litter): OK

2. Off Site Conditions

Condition of Tannery Road, potholes etc.: Good
Creek Appearance, color, iron flock, odor etc.: Rust Color, Low.

Anything else, storm damage, vandalism etc.: A white Barrel by Inner gate.

LANDFILL COVER INSPECTION

1. Cover Condition
- Grass growth: OK
- Erosion/Animal Burrows: NONE
- Other: -

2. Leachate seeps
- Western Seep Condition: Dry
- Northeast Seep Condition: Dry
- Any New Seeps, If yes describe: None.

3. Gas Vents
- General Condition: OK.
- Unusual Odors, which vents: NONE.
- Flares Ignited: Lit # 7
- Plugs Cleaned/replaced etc.:
- Other:

LEACHATE COLLECTION SYSTEM (LCS) INSPECTION

1. **Pump Station at Tannery Rd. Entrance**
   - Condition of Panel etc. OK
   - Pump #1 Hours: 7347
   - Pump #2 Hours: 3472

2. **Meter Panel at Tannery Rd. Entrance**
   - Condition of Panel etc. Good
   - Alarms/Indicator Lights NO
   - Autodialer Test
   - Totalizers RW-1 978548 RW-2 936987 Check D
     RW-3 93987 RW-4 ~~226457~~ 2262157

3. **Panels/Wells/Meters on Top of Landfill**
   - Meter Panel, condition etc. ok
   - Alarms/Indicator Lights ok, Noise on
   - Totalizers, on panel RW-1 29076 RW-2 32132
     RW-3 9279 RW-4 10850.
   - Meter Pit, condition, water in pit etc. 2" of STAGNANT WATER, film
   - Well Pumps #1,2,3,4, Condition, integrity
   - Totalizers, in pit RW-1 9835.00 RW-2 13796.00
     RW-3 3605.00 RW-4 3242.00

4. **Any Other Observations/Notes:**

Put ABUS Lock on Pit.
Put " " on 10, 11, 12
Put Cap on 3PD

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 11/20/98 **Inspector:** B Sweeney

Monitoring Well Water Level and Sampling Data

WELL	Measure Point Elevation	Total Well Depth (TWD)	Depth to ground water (DGW)	Length of water Column (LWC) (TWD - DGW)	One Well Volume (OWV) (LWC / 2)	Three Well Volumes (OWV x 3)	FIELD PARAMETERS				TIME Start	TIME Stop
							pH	Conductance	Turbidity	Temperature		
MW-1S	449.59	10.3	7.34	2.96								
MW-1D		32.0	8.15	23.85								
MW-2S	459.44	15.5 15.4	9.21	6.29								
MW-2PS		49.67	9.485	40.22								
MW-2PD		63	14.80	48.2								
MW-2D		28.66	9.01	19.65								
MW-3S	456.4	16.73	4.82	11.91								
MW-4S	456.19	16.72	6.83	9.89								
MW-4P		50	7.15	42.85								
MW-4D		32.10	7.87	24.23								
MW-5S	457.15	18.65	9.58	9.07								
MW-5D		35.43	9.64	25.79								
MW-6S	Not	Found										
MW-7S	452.25	13.68	12.69	0.99								
MW-7D		~~35.16~~ ~~34.8~~	12.61	22.55								
MW-8S		17.68	9.61	8.07								
MW-9S	456.38	17.27 16.85	5.40	11.87								
MW-10	488.29	55.47	34.38	21.19								
MW-11	503.95	69.77	50.30	19.47								
MW-12	483.11	48.13	30.66	17.49								
PZ-1	452	21.36	9.95	11.41								

All wells at Tannery Road Landfill are 2.0 in. PVC inner casing.
PZ-1 elevation is estimated - needs to be surveyed.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 12-18-98 8:00 Inspector: Roger Gray
Weather: CLEAR, COLD, WINDY 30°

GENERAL INSPECTION

1. General Site Condition:

Gates	
Outer gate condition/locks	OK
Inner gate condition/locks	OK
Access Road - surface/paving/snow	OK
Perimeter Fence and Gates	FENCE OK, NO MAN GATES
Manholes along road, erosion, overflows etc.	OK
Overall appearance (trash/litter)	OK

2. Off Site Conditions

Condition of Tannery Road, potholes etc.	GOOD
Creek Appearance, color, iron flock, odor etc.	RUSTY COLOR
Anything else, storm damage, vandalism etc.	BARREL BY INNER GATE STILL THERE

LANDFILL COVER INSPECTION

1. Cover Condition

Grass growth	SNOW COVER
Erosion/Animal Burrows	NONE
Other	

2. Leachate Seeps

Western Seep Condition:	OK
Northeast Seep Condition:	OK
Any New Seeps, If yes describe:	NO

3. Gas Vents

Use Gas Vent Checklist to record information

1. **Pump Station at Tannery Rd. Entrance**
   - Condition of Panel etc. Good
   - Pump #1 Hours: 7371
   - Pump #2 Hours: 8870

2. **Meter Panel at Tannery Rd. Entrance**
   - Condition of Panel etc. Good
   - Alarms/Indicator Lights NO
   - Autodialer Test —

   Totalizers RW-1 1003327 RW-2 937030
   RW-3 2267917 RW-4 301450

3. **Panels/Wells/Meters on Top of Landfill**
   - Meter Panel, condition etc. Good
   - Alarms/Indicator Lights NO ALARMS

   Totalizers, on panel RW-1 29466 RW-2 32497
   RW-3 9418 RW-4 10967

   Meter Pit, condition, water in pit etc. 3" OF WATER IN PIT
   Well Pumps #1,2,3,4,
   Condition, integrity Good

   Totalizers, in pit RW-1 9983 00 RW-2 14033 00
   RW-3 3663 00 RW-4 3289 00

4. **Recovery Wells in Landfill**
   Condition and Integrity
   - RW-1 OK
   - RW-2 OK
   - RW-3 OK
   - RW-4 OK

5. **Any Other Observations/Notes:**
   - MEETING ON L.F. WITH CITY, DEC, KEN G. FROM EARTH TECH, R. GRAY, R. TOTINO

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST 12-18 RS 3/8/99

Date and Time: 12-18-98 8:00 **Inspector:** Roger Gray R.S. Totino

Monitoring Well Water Level and Sampling Data

(LWC)(0.163)

WELL	Measure Point Elevation	Total Well Depth (TWD)	Depth to ground water (DGW)	Length of water Column (LWC) (TWD - DGW)	One Well Volume (OWV)	Three Well Volumes (OWV x 3)	FIELD PARAMETERS pH	Conductance (mS/cm)	Turbidity	Temperature	TIME Start	TIME Stop	
LS/LL MW-1B	449.59	10.3	6.89	3.41	0.56	1.66	7.40	0.192	107	7.5	12:45	13:00	442.70
LS/LL MW-1D	449.21	32.0	7.55	24.45	3.98	11.95							441.66
[redacted]	459.44	15.5	8.64	6.86	1.12	3.35							450.80
LL MW-2S	459.13	49.67	8.61	41.06	6.70	20.0							450.52
LC/LL MW-2PD	459.43	63.0	14.61	48.39	7.88	23.66							444.82
[redacted]	459.05	28.66	8.42	20.24	3.3	9.9	~~6.84~~	~~4.13~~	~~16~~	~~7.8~~	~~09:30~~	~~10:00~~	3/5/99 450.63
12/18 [redacted]	456.4	16.73	4.30	12.43	2.0	6.0	6.84	4.13	16	7.8	09:20	10:00	452.10
LL [redacted]	456.19	16.72	7.02	9.70	1.58	4.74	6.20	1.95	8	8.9	14:35	15:30	449.17
LL MW-4P	456.31	50.0	6.58	43.42	7.07	21.23							449.73
LL MW-4D	456.73	32.10	6.30	25.80	4.2	12.6							450.43
[redacted]	457.15	18.65	9.24	9.41	1.53	4.6	6.88	0.357	150	7.6	13.45	14:00	447.91
LL MW-5D	456.89	35.43	9.15	26.28	4.28	12.85							447.84
MW-6S	~~460.41~~				~~0.15~~	~~0.45~~							
[redacted]	452.25	13.68	12.73	.95	0.15 ~~3.65~~	0.45 ~~10.97~~							439.52
LS/LL/LC MW-7D	451.79	35.16	12.72	22.44	3.65	10.97	6.65	1.34	40	9.9	10:30	10:50	439.07
[redacted]	454.53	17.68	8.90	8.78	1.43	4.3							445.63
LL/LC MW-9S	456.38	17.27	4.40	12.87	2.1	6.3	6.68	0.517	330	7.9	09:45	10:00	451.98
MW-10	488.29	55.47	OBSTRUCTION										
MW-11	503.95	69.79	OBSTRUCTION										
MW-12	483.11	48.30	30.81	17.49	2.85	8.55	6.0	3.67	118	11.4	11:40	12:00	452.30
PZ-1	452	21.36	9.62	11.74	1.91	5.74							442.38

All wells at Tannery Road Landfill are 2.0 in. PVC inner casing.
PZ-1 elevation is estimated - needs to be surveyed.

TANNERY ROD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 12-18-98 10:00 Inspector: Roger Gray

Gas Vent and Ignitor Inspection Data

GAS VENT	H2S (ppm)	Detectable Odors			Ignitor Test		General Vent Condition Notes/Comments
		Yes	No		Pass	Fail	
1	0		X				
2	0		X				
3	0		X				
4	0		X				
5	0		X				
6	0		X				
7	.6		X		X		NEW PLUG. TORCH NOT LIT
8	0		X		X		NEW PLUG TORCH NOT LIT
9	0		X				
10	2.5	X			X		NEW PLUG TORCH NOT LIT
11	.1		X		X		NEW PLUG TORCH NOT LIT
12	0		X		X		NEW PLUG TORCH NOT LIT
13	3.0	X			X		NEW PLUG TORCH NOT LIT
14	0		X				
15	1.0	X			X		NEW PLUG TORCH NOT LIT
16	0		X				
17	0		X				
18	0		X				
19	.1		X				
20	1.8		X				
21	0		X				
22	0		X				
23	0		X				
24	.3		X				
25	0		X				

TANNERY ROD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date and Time: 12-18-98 10:00 Inspector: Roger Gray

Gas Vent and Ignitor Inspection Data

GAS VENT	H2S (ppm)	Detectable Odors			Ignitor Test		General Vent Condition Notes/Comments
		Yes	No		Pass	Fail	
26	0		X				
27	0		X				
28	0		X				
29	0		X				
30	0		X				
31	.1		X				
32	0		X				
33	0		X				
34	0		X				
35	0		X				
36	0		X				
37	0		X				
38	0		X				
39	2.5	X					
40	0		X				
41	0		X				
42	0		X				
43	0		X				
44	0		X				
45	0		X				
46							
47							
48							
49							
50							

APPENDIX B

WATER TABLE POTENTIOMETRIC MAP

APPENDIX C

GROUNDWATER MONITORING RESULTS

APPENDIX C1

September 1998 Annual Baseline Event

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCILAB ALBANY, INC.
15 Century Hill Drive
P.O. Box 787
Latham, NY 12110
Tel: (518) 786-8100
Fax: (518) 786-7700

PRELIMINARY REPORT

Laboratory Analysis Report
Prepared for: RUST E&I
Project Number: 9907700
Task Number: 980925G
20 OCT 1998

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, Scilab is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds may also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, Scilab is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: _____ DATE: 10/20/98

CERTIFICATIONS:
NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 09:35
Sampled By : TOTINO
Sample Id: MW-4S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 01
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	100	5	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	87	5	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	ND	0.1	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	300	20	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	28	6	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	115		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	730	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	35	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	490	20	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/2/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	23	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	175	50	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	120	20	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	240	20	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/24/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/5/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	1.8	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	0.086	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	1.6	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	17.5	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	8.0	0.050	MG/L	F-7:439 10/5/98

(CONTINUES ON NEXT PAGE)

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 09:35
Sampled By : TOTINO
Sample Id: MW-4S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 01
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	ND	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	6.9	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	0.48	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	0.051	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	82.1	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	126	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.050	MG/L	C-12:430 10/8/98
VANADIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.052	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
VINYL CHLORIDE	SW-846 METHOD 8260	15	10	MCG/L	GCMSEC:96 9/28/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACETONE	SW-846 METHOD 8260	5J	10	MCG/L	GCMSEC:96 9/28/98
CARBON DISULFIDE	SW-846 METHOD 8260	52	5	MCG/L	GCMSEC:96 9/28/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	3J	5	MCG/L	GCMSEC:96 9/28/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98

(CONTINUES ON NEXT PAGE)

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Fax: (518) 786-7700

RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 09:35
Sampled By : TOTINO
Sample Id: MW-4S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 01
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BENZENE	SW-846 METHOD 8260	2J	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOLUENE	SW-846 METHOD 8260	41	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ETHYLBENZENE	SW-846 METHOD 8260	3J	5	MCG/L	GCMSEC:96 9/28/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOTAL XYLENES	SW-846 METHOD 8260	9	5	MCG/L	GCMSEC:96 9/28/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98

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12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 09:35
Sampled By : TOTINO
Sample Id: MW-4S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 01
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:96 9/28/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:96 9/28/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 10:20
Sampled By : TOTINO
Sample Id: MW-3S (MS-MSD)
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 02
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	20	2.5	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	59	2.5	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	ND	0.2	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	570	40	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	37	6	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	232		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	3,060	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	26	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	1440	40	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/5/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	9	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	650	50	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	960	100	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	240	40	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/5/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	1.4	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	1.4	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	2.2	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	0.005	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	195	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	0.017	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	82.3	0.5	MG/L	F-7:442 10/8/98

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15 Century Hill Drive
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Latham, NY 12110
Tel: (518) 786-8100
Fax: (518) 786-7700

RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 10:20
Sampled By : TOTINO
Sample Id: MW-3S (MS-MSD)
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 02
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	ND	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	57.6	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	1.8	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	ND	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	148	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	672	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.050	MG/L	C-12:430 10/8/98
VANADIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.11	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
VINYL CHLORIDE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACETONE	SW-846 METHOD 8260	9J	10	MCG/L	GCMSEC:96 9/28/98
CARBON DISULFIDE	SW-846 METHOD 8260	39	5	MCG/L	GCMSEC:96 9/28/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98

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REMARKS:

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 10:20
Sampled By : TOTINO
Sample Id: MW-3S (MS-MSD)
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 02
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ETHYLBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOTAL XYLENES	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98

(CONTINUES ON NEXT PAGE)

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12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

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Date Sampled: 09/24/98 Time: 10:20
Sampled By : TOTINO
Sample Id: MW-3S (MS-MSD)
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 02
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:96 9/28/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:96 9/28/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 12:10
Sampled By : TOTINO
Sample Id: MW-9S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 03
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	1.3	0.1	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	0.7	0.1	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	0.1	0.1	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	91	10	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	ND	6	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	43.3		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	390	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	27	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	240	8	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/5/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	3	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	3.0	2.0	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	1720	100	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	280	20	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/5/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	22.2	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	0.27	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	ND	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	0.005	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	216	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	0.055	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	0.10	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	66.7	0.5	MG/L	F-7:442 10/8/98

(CONTINUES ON NEXT PAGE)

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RUST E&I
12 METRO PARK
ALBANY . NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 12:10
Sampled By : TOTINO
Sample Id: MW-9S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 03
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	0.033	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	65.8	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	3.4	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	0.090	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	4.2	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	39.8	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.010	MG/L	C-12:428 10/7/98
VANADIUM	ICP, EPA METHOD 200.7	0.050	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.20	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
VINYL CHLORIDE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACETONE	SW-846 METHOD 8260	1J	10	MCG/L	GCMSEC:96 9/28/98
CARBON DISULFIDE	SW-846 METHOD 8260	8	5	MCG/L	GCMSEC:96 9/28/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98

(CONTINUES ON NEXT PAGE)

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ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 12:10
Sampled By : TOTINO
Sample Id: MW-9S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 03
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference

(CONTINUED FROM PREVIOUS PAGE)

BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ETHYLBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOTAL XYLENES	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98

(CONTINUES ON NEXT PAGE)

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PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 12:10
Sampled By : TOTINO
Sample Id: MW-9S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 03
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:96 9/28/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:96 9/28/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 13:20
Sampled By : TOTINO
Sample Id: MW-5S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 04
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	0.9	0.1	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	0.4	0.1	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	ND	0.1	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	29	10	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	ND	2	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	14.2		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	250	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	41	10	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	140	2	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/5/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	2	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	83	2.0	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	190	20	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	50	5	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/5/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	1.4	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	ND	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	42.1	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	12.9	0.050	MG/L	F-7:439 10/5/98

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REMARKS:

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Fax: (518) 786-7700

RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 13:20
Sampled By : TOTINO
Sample Id: MW-5S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 04
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	ND	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	8.3	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	6.5	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	ND	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	6.2	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	9.6	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.010	MG/L	C-12:428 10/7/98
VANADIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.032	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
VINYL CHLORIDE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACETONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CARBON DISULFIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98

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REMARKS:

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Fax: (518) 786-7700

RUST E&I
12 METRO PARK
ALBANY - NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 13:20
Sampled By : TOTINO
Sample Id: MW-5S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 04
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
ETHYLBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOTAL XYLENES	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 13:20
Sampled By : TOTINO
Sample Id: MW-5S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 04
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:96 9/28/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:96 9/28/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 14:25
Sampled By : TOTINO
Sample Id: MW-7D
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 05
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	60	2.5	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	55	2.5	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	ND	0.1	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	140	10	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	11	6	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	56.7		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	1,040	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	36	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	600	20	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/5/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	11	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	85	2.0	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	15.2	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	310	20	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	350	25	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/5/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	0.82	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	0.013	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	0.53	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	0.98	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	62.9	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	46.8	0.050	MG/L	F-7:439 10/5/98

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REMARKS:

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 14:25
Sampled By : TOTINO
Sample Id: MW-7D
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 05
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used			Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)					
LEAD	ICP, EPA METHOD 200.7		ND	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7		28.2	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7		0.79	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1		COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1		ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7		ND	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1		63.4	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 31138		ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7		ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1		45.5	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2		ND	0.010	MG/L	C-12:428 10/7/98
VANADIUM	ICP, EPA METHOD 200.7		ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7		0.083	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
VINYL CHLORIDE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
BROMOMETHANE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
CHLOROETHANE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260		ND	5	MCG/L	GCMSEC:96 9/28/98
ACETONE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
CARBON DISULFIDE	SW-846 METHOD 8260		19	5	MCG/L	GCMSEC:96 9/28/98
IODOMETHANE	SW-846 METHOD 8260		ND	5	MCG/L	GCMSEC:96 9/28/98
METHYLENE CHLORIDE	SW-846 METHOD 8260		ND	5	MCG/L	GCMSEC:96 9/28/98
ACRYLONITRILE	SW-846 METHOD 8260		ND	10	MCG/L	GCMSEC:96 9/28/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260		ND	5	MCG/L	GCMSEC:96 9/28/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	(N)	ND	5	MCG/L	GCMSEC:96 9/28/98
VINYL ACETATE	SW-846 METHOD 8260	(N)	D	10	MCG/L	GCMSEC:96 9/28/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	(N)	D	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	(N)	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROFORM	SW-846 METHOD 8260	(N)	ND	5	MCG/L	GCMSEC:96 9/28/98

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REMARKS: (N) THE DIGESTED SPIKE RECOVERY IS OUTSIDE OF REQUIRED LIMITS.

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 14:25
Sampled By : TOTINO
Sample Id: MW-7D
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 05
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
BROMOCHLOROMETHANE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
BENZENE	SW-846 METHOD 8260	(N) 22	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
TRICHLOROETHENE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
DIBROMOMETHANE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	(N) ND	10	MCG/L	GCMSEC:96 9/28/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	(N) ND	5	MCG/L	GCMSEC:96 9/28/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
CHLOROBENZENE	SW-846 METHOD 8260	19	5	MCG/L	GCMSEC:96 9/28/98
ETHYLBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TOTAL XYLENES	SW-846 METHOD 8260	30	5	MCG/L	GCMSEC:96 9/28/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:96 9/28/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:96 9/28/98

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REMARKS: (N) THE DIGESTED SPIKE RECOVERY IS OUTSIDE OF REQUIRED LIMITS.

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 14:25
Sampled By : TOTINO
Sample Id: MW-7D
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 05
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:96 9/28/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:96 9/28/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 15:30
Sampled By : TOTINO
Sample Id: MW-12
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 06
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	160	5	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	155	5	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	ND	0.1	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	260	20	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	23	6	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	113		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	1,520	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	18	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	1580	40	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/6/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	38	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	280	20	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	670	40	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	280	20	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/6/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	1.9	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	0.32	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	2.4	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	120	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	66.5	0.5	MG/L	F-7:442 10/8/98

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 15:30
Sampled By : TOTINO
Sample Id: MW-12
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 06
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	0.007	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	75.3	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	0.46	0.015	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	ND	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	149	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	219	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.050	MG/L	C-12:430 10/8/98
VANADIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.11	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
VINYL CHLORIDE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ACETONE	SW-846 METHOD 8260	4J	10	MCG/L	GCMSEC:97 9/29/98
CARBON DISULFIDE	SW-846 METHOD 8260	5	5	MCG/L	GCMSEC:97 9/29/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 15:30
Sampled By : TOTINO
Sample Id: MW-12
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 06
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BENZENE	SW-846 METHOD 8260	15	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ETHYLBENZENE	SW-846 METHOD 8260	5J	5	MCG/L	GCMSEC:97 9/29/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TOTAL XYLENES	SW-846 METHOD 8260	41	5	MCG/L	GCMSEC:97 9/29/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 15:30
Sampled By : TOTINO
Sample Id: MW-12
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 06
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:97 9/29/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:97 9/29/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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Fax: (518) 786-7700

RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 16:30
Sampled By : TOTINO
Sample Id: MW-1S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 07
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	1.6	0.1	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	1	0.1	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	ND	0.1	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	56	10	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	ND	2	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	16.1		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	170	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	18	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	45	2	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/6/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	1	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	7.0	2.0	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	120	20	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	25	10	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/6/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	7.9	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	ND	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	16.9	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	ND	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	8.9	0.050	MG/L	F-7:439 10/5/98

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 16:30
Sampled By : TOTINO
Sample Id: MW-1S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 07
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	0.004	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	2.3	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	1.1	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	ND	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	2.1	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	1.5	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.010	MG/L	C-12:428 10/7/98
VANADIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.032	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
VINYL CHLORIDE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ACETONE	SW-846 METHOD 8260	3J	10	MCG/L	GCMSEC:97 9/29/98
CARBON DISULFIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	3J	5	MCG/L	GCMSEC:97 9/29/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98

(CONTINUES ON NEXT PAGE)

REMARKS:

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P.O. Box 787
Latham, NY 12110
Tel: (518) 786-8100
Fax: (518) 786-7700

RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 16:30
Sampled By : TOTINO
Sample Id: MW-1S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 07
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ETHYLBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TOTAL XYLENES	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98

(CONTINUES ON NEXT PAGE)

REMARKS:

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12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 16:30
Sampled By : TOTINO
Sample Id: MW-1S
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 07
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:97 9/29/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:97 9/29/98

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 00:00
Sampled By : TOTINO
Sample Id: FD092398
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 08
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
TOTAL KJELDAHL NITROGEN (TKN)	EPA METHOD 351.3	1.1	0.1	MG/L	MLO 10/6/98
AMMONIA as N	EPA METHOD 350.1 - TRAACS	0.6	0.1	MG/L	MLO 10/6/98
NITRATE-NITRITE as N	EPA METHOD 353.2 -TRAACS	0.2	0.2	MG/L	MLO 10/2/98
COD	EPA METHOD 410.4	40	10	MG/L	SP 10/5/98
BOD5	EPA METHOD 405.1	ND	2	MG/L	JLH 9/25/98
TOTAL ORGANIC CARBON	EPA METHOD 415.1	13.7		MG/L	STL 10/14/98
SOLIDS, DISSOLVED(180oC)	EPA METHOD 160.1	260	20	MG/L	SP 9/25/98
SULFATE	EPA METHOD 375.4	45	5	MG/L	SP 10/7/98
ALKALINITY AS CaCO3	EPA METHOD 310.1	150	4	MG/L	MLO 10/6/98
PHENOL DISTILLATION	EPA METHOD 420.1	COMPLETED			SP 10/6/98
PHENOLICS,TOT. CHLOROFORM EXT	EPA METHOD 420.1	2	1	MCG/L	SP 10/6/98
CHLORIDE	EPA METHOD 325.2	3.0	2.0	MG/L	MLO 9/28/98
BROMIDE	EPA METHOD 320.1	ND	2	MG/L	MLO 10/13/98
HARDNESS TOTAL, AS CaCO3	EPA METHOD 130.2	140	20	MG/L	SP 10/8/98
COLOR	EPA METHOD 110.2	50	5	CPU	JLH 9/25/98
HEXAVALENT CHROMIUM	STD. METH. 18TH ED. 3500-CR D	ND	0.01	MG/L	JLH 9/25/98
CYANIDE DISTILLATION	STD. METHODS 18TH ED. 4500-CN C	COMPLETED			MLO 10/6/98
CYANIDE, TOTAL W/DISTILLATION	EPA 335.2 ; 335.3	ND	0.01	MG/L	MLO 10/6/98
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3010	COMPLETED			D-30:70 9/28/98
ACID DIGESTION- FURNACE	SW-846 METHOD 3020	COMPLETED			D-30:69 9/28/98
ALUMINUM	ICP, EPA METHOD 200.7	2.0	0.075	MG/L	F-7:439 10/5/98
ANTIMONY	ICP, EPA METHOD 200.7	ND	0.060	MG/L	F-7:442 10/8/98
ARSENIC	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
BARIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
BERYLLIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
BORON	ICP, EPA METHOD 200.7	ND	0.5	MG/L	F-7:442 10/8/98
CADMIUM	ICP, EPA METHOD 200.7	ND	0.005	MG/L	F-7:439 10/5/98
CALCIUM	ICP, EPA METHOD 200.7	32.6	0.5	MG/L	F-7:439 10/5/98
CHROMIUM	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
COBALT	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
COPPER	ICP, EPA METHOD 200.7	0.023	0.020	MG/L	F-7:439 10/5/98
IRON	ICP, EPA METHOD 200.7	9.2	0.050	MG/L	F-7:439 10/5/98

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RUST E&I
12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 00:00
Sampled By : TOTINO
Sample Id: FD092398
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 08
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
LEAD	ICP, EPA METHOD 200.7	ND	0.003	MG/L	F-7:439 10/5/98
MAGNESIUM	ICP, EPA METHOD 200.7	6.9	0.5	MG/L	F-7:439 10/5/98
MANGANESE	ICP, EPA METHOD 200.7	3.5	0.010	MG/L	F-7:439 10/5/98
MERCURY DIGESTION - AQUEOUS	EPA METHODS,1983 245.1	COMPLETED			D-30:69 9/28/98
MERCURY	EPA METHODS,1983 245.1	ND	0.0002	MG/L	E-6:48 9/28/98
NICKEL	ICP, EPA METHOD 200.7	ND	0.030	MG/L	F-7:439 10/5/98
POTASSIUM	EPA METHODS,1983 258.1	5.7	0.5	MG/L	A100698A
SELENIUM	STD. METHODS 18TH ED. - 3113B	ND	0.005	MG/L	C-12:425 10/5/98
SILVER	ICP, EPA METHOD 200.7	ND	0.010	MG/L	F-7:439 10/5/98
SODIUM	EPA METHODS,1983 273.1	7.6	0.5	MG/L	A100698A
THALLIUM	EPA METHODS,1983 279.2	ND	0.010	MG/L	C-12:428 10/7/98
VANADIUM	ICP, EPA METHOD 200.7	ND	0.050	MG/L	F-7:439 10/5/98
ZINC	ICP, EPA METHOD 200.7	0.092	0.020	MG/L	F-7:439 10/5/98
CHLOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
VINYL CHLORIDE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
BROMOMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CHLOROETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
TRICHLOROFLUOROMETHANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
1,1-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ACETONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CARBON DISULFIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
IODOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
METHYLENE CHLORIDE	SW-846 METHOD 8260	2J	5	MCG/L	GCMSEC:97 9/29/98
ACRYLONITRILE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
TRANS-1,2 DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
VINYL ACETATE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
2-BUTANONE (MEK)	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CIS-1,2-DICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CHLOROFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98

(CONTINUES ON NEXT PAGE)

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ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 00:00
Sampled By : TOTINO
Sample Id: FD092398
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 08
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
(CONTINUED FROM PREVIOUS PAGE)					
BROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,1-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CARBON TETRACHLORIDE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRICHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
DIBROMOMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BROMODICHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
4-METHYL-2-PENTANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
CIS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TOLUENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRANS-1,3-DICHLOROPROPENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,2-TRICHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TETRACHLOROETHENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
2-HEXANONE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
DIBROMOCHLOROMETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DIBROMOETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
CHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
ETHYLBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,1,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TOTAL XYLENES	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
STYRENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
BROMOFORM	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,1,2,2-TETRACHLOROETHANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2,3-TRICHLOROPROPANE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
TRANS-1,4-DICHLORO-2-BUTENE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98
1,4-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DICHLOROBENZENE	SW-846 METHOD 8260	ND	5	MCG/L	GCMSEC:97 9/29/98
1,2-DIBROMO-3-CHLOROPROPANE	SW-846 METHOD 8260	ND	10	MCG/L	GCMSEC:97 9/29/98

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12 METRO PARK
ALBANY NY 12205

PROJECT #: 9907700

Task #: 980925G

Attention: MR. RICH TOTINO

Purchase Order Number:
Date Sampled: 09/24/98 Time: 00:00
Sampled By : TOTINO
Sample Id: FD092398
Location : CITY OF ROME-TANNERY RD LANDFILL

Sample No: 980925G 08
Date Received: 09/25/98
Collection Method: GRAB
Matrix: WATER

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Reference
	(CONTINUED FROM PREVIOUS PAGE)				
METHANOL EXTRACTION	SW-846 METHOD 5030	DELETE			GCMSEC:97 9/29/98
PURGE & TRAP EXTRACTION	SW-846 METHOD 5030	COMPLETED			GCMSEC:97 9/29/98

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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FACSIMILE COVER SHEET

Project No.: _____

To (name): Mark Williams From (name): Pat Tagyare

At (company): Earth Tech

Fax Number: 458-2472

Date: 9/24/98 Time: _____

No. of Pages to Follow: 1 Priority: ☐ Urgent ☐ Routine

IF UNREADABLE OR INCOMPLETE PLEASE CALL: Follow-up: ☐ Send Original Overnight Mail ☐ Send Original Regular Mail ☐ Do not send Original by Mail

_____

Comments:

SCILAB ALBANY, INC.
15 Century Hill Drive
P.O. Box 787
Latham, NY 12110
518-786-8100
FAX 518-786-7700

CHAIN OF CUSTODY RECORD
LABORATORY SERVICES

TASK # _____

Client: Rust / NYSDEC
Client Contact: R.S. Tofino
Project Location: City of Rome - Tannery Rd Landfill
Purchase Order: _____

Sampler's Name: Richard S. Tofino (please print)
Contact: Tim Holter
Turnaround Time Requested: _____

LAB ID	Sample ID/Description	Date Sampled	Time A = a.m. P = p.m.	Sample Type: Matrix	Sample Type: COMP	Sample Type: GRAB	# of Containers	Preservative (list by # from list below)	Analysis Required
	MW-4S	9/24/98	09:35	GW		X	16		For all samples list
	MW-3S	9/24/98	10:20	GW		X	16		360 Base
	MW-3SMS	9/24/98	10:20	GW		X	16		BOD, TDS,
	MW-3SMSD	9/24/98	10:20	GW		X	16		color, C
	MW-~~2S~~ 9S	9/24/98	12:10	GW		X	16		Hk, CN,
	MW-5S	9/24/98	13:20	GW		X	16		VOC EPA
	MW-7D	9/24/98	14:25	GW		X	16		360 Metal
	MW-12	9/24/98	15:30	GW		X	16		
	MW-15	9/24/98	16:30	GW		X	16		
	FD092398 (MW-5S)	9/24/98	—	GW		X	16		

	Date/Time		Date/Time
Sampled by: (signature)	9/24/98 17:00	Received by: (signature)	
Relinquished by: (signature)	9/25/98 09:25	Received by: (signature)	
Relinquished by: (signature)		Received by: (signature)	
Dispatched by: (signature)		Received for Laboratory by:	9:41

NOTES/COMMENTS/BILLING INFORMATION:

Preservatives

1. HCl
2. HNO_3
3. NaOH
4. NaS_2O_3
5. Zn Acet
6. Ascorbic
7. H_2SO_4
8. F (Filtered)
9. N (not preserved)
10. Other

Method of Shipment:

Sample Condition

1. Samples intact? Y N
2. Custody seals intact? Y N
3. Preserved properly? Y N
4. Ambient or chilled? Y N
5. C.O.C. received with samples? Y N

Date:

9/23/98 RST (1)

Notes on Tannery Rd. landfill

Bottles for Part 360 Baseline

#	bottle	parameters
1 ✓	1L Plas	BOD, TDS, SO_4, Cl^-
1 ✓	1L Plas	Br, color, Cr^{6+},
1 ✓	1L Plas	TKN, NH_3
2 ✓	1L amber	~~odor~~, ~~pH~~, Total Phenols
1 ✓	500mL	metals
1 ✓	250mL	Alk
1 ✓	250mL	CN^-
1 ✓	250mL	Hardness
1 ✓	100mL	NO_3, COD
2 ✓	40mL vial	TOC
4 ✓	40mL vial	8260

On 9/23 -

Take WL on MW-1I, MW-2S, P2-1 ✓

Take field params. before and after ✓

Collect FD @ MW-5S ✓

Collect MS/MSD @ MW-3S ✓

Prelim. well depths: 1S = 8.0, 3S = 13.4, 4S = 14.5, 5S = 17.0, 7D = 32.6, 9S = 14.8, 10 = 50.0, 12 = 43.0.

RST (2)

9/24/98 Tannery Rd slight odor

start: 9:10

9:35 MW-4S 2in. ~~PV~~ metal pipe 4in square outer casing

TWD = 16.85

DGW = 7.35

LWC = 9.50

3 WV = 4.25 · 3 = 12.8

Total V purged = 15.0 gal

method: bailer

Before sample parameters			(at sample) After
pH	6.34	9:35 →	6.40
turb	50	9:10 ←	67
cond	1.32		1.68
temp	13.2		13.2
D.O	9.95		10.36

bottle check

2Y. Ph — CN^-

Alk — Metals

NO_3, COD — Hard

8260

TOC

TKN NH_3

Br, color, Cr^{6+}

BOD, TDS, SO_4, Cl

Horiba AutoCal

9:05 am

pH = 3.98

cond = 4.50

turb = 0

9/24/98 RST — water turbid
Tannery Rd continued clearing w/ depth.
10:20 am (sample) — no odor
MW-35 start: 10:00
TWD = 16.6 — MW-35MS
DGW = 5.9 — MW-35MSD
LWC = 10.7 — taken at this
3V = 15.35 — location. 10:20 am
Total purged = 5.5 gal
method: bailer

field parameters

	before 10:20	after (10:20 sample)
pH	6.87	6.78
cond	3.77	4.79
turb	114	169
temp	14.6	13.6
DO	9.89	10.97

bottle check

2x Ph	TKN, NH_3
CN⁻	8260
Alk	TOC
metals	XIO_3 COD
hard	
BOD, TDS, SO_4, Cl	
Br, color, Cr^{+6}	

9/24/98 EST
Tannery Rd continued — Water very turbid
11:40 am — dark gray/black
MW-2S — no odor.
TWD = 15.40 — gaining turb w/ depth - Dark gray sandy.
DGW = 9.60

11:50 start (approx) stop: 12:10 (sample)
MW-9S
TWD - 16.85
DGW - 6.90
LWC = 9.95
3V = 15.0
Total V removed = 14.0 gal
method: bailer

field parameters

	start 11:50	sample (12:10)
pH	7.78	7.35
cond	.433	.396
turb	12	>999
temp	14.9	~~12.81~~ 12.0
D.O.	11.47	2.81

well dry at 12.5 gal - wait 15-20 min to recharge - continue purging. Purge approx 14.0 gal. Sample @14-15 gal.
well yielding very slowly.

(5)

9/24/98 RST
Tannery Rd MW-5S

TWD = 18.95
DGW = 8.70
LWC = 10.25
3 V = 15.25
Total V removed = 15.5 gal
method: bailer

field parameters	start 13:00	sample 13:20
pH	7.88	6.87
turb	605	185
cond	.148	.229
temp	13.0	12.5
DO	11.76	11.96

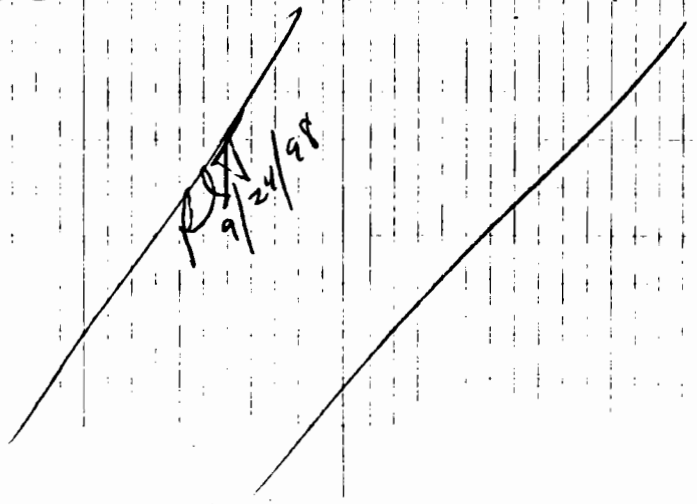
FD092398 taken here 13:20

Landfill area and surrounding wetland areas are very dry. No water in wetland areas. No leachate or seepage from landfill. No wet areas on top of cap.

(6)

9/24/98 RST
Tannery Rd continued
MW-7D
TWD = 34.80
DGW = 12.20
LWC = 22.60
3 V = 11.30 · 3 = 34.0
Total V removed = 34.0
method = bailer

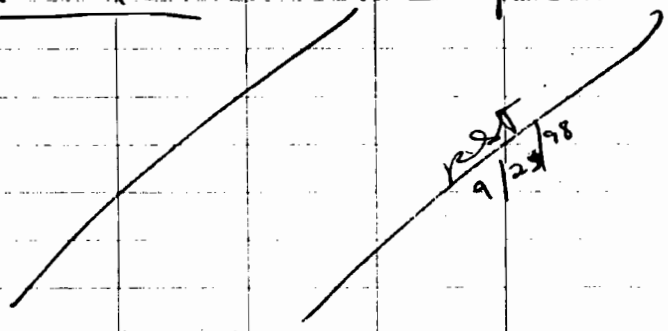
field parameters	start 13:54	sample (14:25)
temp	13.3	12.1
pH	7.14	6.69
turb	30	139
cond	.728	1.44
DO	11.85	13.04



(7)

9/24/98
Tannery Rd
MW-10 well obstructed
TWD: 55.60 14:45
DGW = 34.10
LWC = 21.50
3 V = 11.00 · 3 = 33
Total V removed =
method = bailer
field parameters
Start 14:40 ~~sample~~

pH
cond
turb
temp
DO



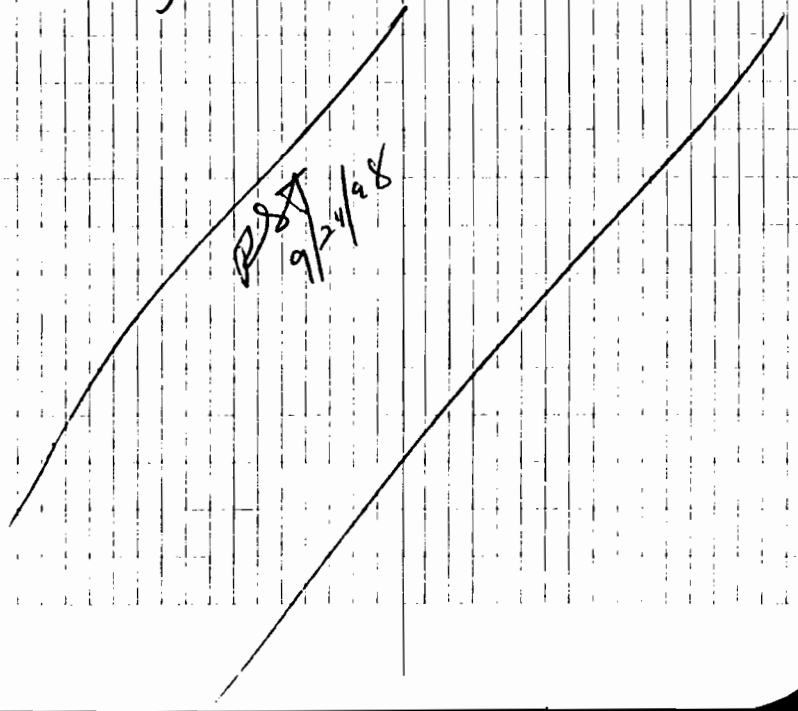
Well obstructed at approx 26.5-27.0 ft. (below M.P.) Unable to sample.

Unable to lower bailer into WC
Strong odor from well

(8)

9/~~24~~/98 RST
Tannery Rd continued
1450
MW-11
TWD = 69.7
DGW = 37.6

well also appears to be partially obstructed at approx. 29.0 ft. (below M.P.)
Did not lower bailer into well; however - WL meter ~~se~~ gets caught at obstruction -
Strong odor from well



(9)

9/24/98
MW-12
TWD = 48.2
DGW = 30.2
LWC = 18.0
3 V 9.0 · 3 = 27.0
Total V purged = 27.0 gal
method = bailer

field parameters

	start 15:00	sample (15:30)
pH	8.31	6.87
turb	145	448
temp	15.0	14.8
cond	.560	3.35
DO	10.97	11.14

Strong odor from well

PZ-1
16:05
TWD = 21.20
DGW = 10.20

RAT 9/24/98

(10)

9/24/98
MW-1S
TWD = 10.30
DGW = 8.40
LWC = 1.90
3 V = 3.0 gal
Total V purged = 3.0 gal
method = bailer

field parameters

	start 16:00	sample (16:30)
pH	7.35	6.79
cond	.131	.159
turb	166	150
temp	14.7	14.0
DO	11.50	11.66

well yielding slowly

PM 9/24/98

APPENDIX C2

December 1998 Quarterly Routine Event

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

SCILAB ALBANY, INC.
15 Century Hill Drive
P.O. Box 787
Latham, NY 12110
Tel: (518) 786-8100
Fax: (518) 786-7700

EARTH TECH/ RUST
12 METRO PARK

ALBANY NY 12205
RICH TOTINO

Task Number: 9812-00930
Customer No.: 018220
Project No.:
Purchase Order #:
Report Date: 1/15/99

Sampling Information

Project Location: TANNERY ROAD LANDFILL-ROME NY
Sampled By: TOTINO

Date Received: 12/18/98

Test Performed	Method	Results	Units	Tech	Analy. Date
001 MW-9S			Sample Date 12/17/1998 Time: 10:00		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	1.6	mg/L	JJK	1/11/99
Nitrogen, Ammonia	EPA Method 350.1	<0.1	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	65	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	4.3	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	310	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	23	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	230	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	3	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/12/99
Phenols	EPA Method 420.1	<1	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	91.6	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	15.1	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	19.4	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	1.2	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	2.6	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	25.4	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	31.9	mg/L	H2M	1/11/99
002 MW-7D*			Sample Date 12/17/1998 Time: 10:50		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	53	mg/L	JJK	1/11/99
Nitrogen, Ammonia	EPA Method 350.1	50	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	129	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	16	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	590	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	49	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	460	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	69	mg/L	MLO	1/07/99

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EARTH TECH/ RUST
12 METRO PARK

ALBANY NY 12205
RICH TOTINO

Task Number 9812-00930
Customer No. 018220
Project No.
Purchase Order #
Report Date 1/15/99

Sampling Information

Project Location: TANNERY ROAD LANDFILL-ROME NY
Sampled By: TOTINO

Date Received 12/18/98

Test Performed	Method	Results	Units	Tech	Analy. Date
002 MW-7D*			Sample Date 12/17/1998 Time: 10:50		
Matrix:			Collection Method: Grab		
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/13/99
Phenols	EPA Method 420.1	3	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	53.0	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	37.0	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	26.7	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	0.71	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	56.6	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	40.1	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	47.9	mg/L	H2M	1/11/99
003 MW-12			Sample Date 12/17/1998 Time: 12:00		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	170	mg/L	JLH	1/08/99
Nitrogen, Ammonia	EPA Method 350.1	160	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	306	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	15	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	1510	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	12	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	1330	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	218	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/12/99
Phenols	EPA Method 420.1	32	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	108	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	57.9	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	0.006	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	71.2	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	0.44	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	154	mg/L	PJD	1/06/99

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EARTH TECH/ RUST
12 METRO PARK

ALBANY NY 12205
RICH TOTINO

Task Number 9812-00930
Customer No. 018220
Project No.
Purchase Order #
Report Date 1/15/99

Sampling Information

Project Location: TANNERY ROAD LANDFILL-ROME NY
Sampled By: TOTINO

Date Received 12/18/98

Test Performed	Method	Results	Units	Tech	Analy. Date
003 MW-12			Sample Date 12/17/1998 Time: 12:00		
Matrix:			Collection Method: Grab		
Sodium, water	FLAA, EPA Method 27	25.5	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	105	mg/L	H2M	1/11/99
004 MW-1S			Sample Date 12/17/1998 Time: 13:05		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	2.2	mg/L	JLH	1/08/99
Nitrogen, Ammonia	EPA Method 350.1	0.93	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	<.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	47	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	3.2	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	100	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	21	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	68	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	16	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/13/99
Phenols	EPA Method 420.1	<1	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	17.4	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	12.3	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	2.7	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	0.74	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	2.6	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	2.2	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	25.8	mg/L	H2M	1/11/99
005 MW-5S*			Sample Date 12/17/1998 Time: 14:00		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	1.6	mg/L	JJK	1/11/99
Nitrogen, Ammonia	EPA Method 350.1	<0.1	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	<.2	mg/L	MLO	1/11/99

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EARTH TECH/ RUST
12 METRO PARK

ALBANY NY 12205
RICH TOTINO

Task Number 9812-00930
Customer No. 018220
Project No.
Purchase Order #
Report Date 1/15/99

Sampling Information

Project Location: TANNERY ROAD LANDFILL-ROME NY
Sampled By: TOTINO

Date Received 12/18/98

Test Performed	Method	Results	Units	Tech	Analy. Date
005 MW-5S*			Sample Date 12/17/1998 Time: 14:00		
Matrix:			Collection Method: Grab		
Chemical Oxygen Demand	EPA Method 410.4	37	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	3.9	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	230	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	45	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	100	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	3	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/12/99
Phenols	EPA Method 420.1	<1	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	35.8	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	18.5	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	6.3	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	5.6	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	5.5	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	5.9	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	16.8	mg/L	H2M	1/11/99
006 MW-4S			Sample Date 12/17/1998 Time: 15:30		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	13	mg/L	JLH	1/08/99
Nitrogen, Ammonia	EPA Method 350.1	12	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	<.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	75	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	9.3	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	1100	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	8	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	820	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	120	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/13/99
Phenols	EPA Method 420.1	<1	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99

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Sampled By: TOTINO

Date Received 12/18/98

Test Performed	Method	Results	Units	Tech	Analy. Date
006 MW-4S			Sample Date 12/17/1998 Time: 15:30		
Matrix:			Collection Method: Grab		
Calcium, water	ICP, EPA Method 200	130	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	8.8	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	47.5	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	0.43	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	<0.5	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	172	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	28.9	mg/L	H2M	1/11/99
007 MW-3S			Sample Date 12/17/1998 Time: 10:00		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	71	mg/L	JJK	1/11/99
Nitrogen, Ammonia	EPA Method 350.1	55	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	<.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	210	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	38	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	2200	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	37	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	930	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	360	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/13/99
Phenols	EPA Method 420.1	3	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	175	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	58.4	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	41.2	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	2.0	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	125	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	23.5	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	67.4	mg/L	H2M	1/11/99

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ALBANY NY 12205
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Purchase Order #
Report Date 1/15/99

Sampling Information

Project Location: TANNERY ROAD LANDFILL-ROME NY
Sampled By: TOTINO

Date Received 12/18/98

Test Performed	Method	Results	Units	Tech	Analy. Date
008 FD121798			Sample Date 12/17/1998 Time: 0:00		
Matrix: Water			Collection Method: Grab		
Nitrogen, Kjeldahl	EPA Method 351.1	1.5	mg/L	JLH	1/08/99
Nitrogen, Ammonia	EPA Method 350.1	<0.1	mg/L	JJK	1/12/99
Nitrogen, Nitrate	EPA Method 353.2	<.2	mg/L	MLO	1/11/99
Chemical Oxygen Demand	EPA Method 410.4	36	mg/L	JLH	12/30/98
Biochemical Oxygen Demand	EPA Method 405.1	3.6	mg/L	JJK	12/18/98
Total Dissolved Solids	Std. Mtd. 18th 2540	170	mg/L	JJK	12/22/98
Sulfate	EPA Method 375.4	53	mg/L	MLO	1/11/99
Alkalinity	EPA Method 310.1	100	mg/L	JJK	12/29/98
Chloride	EPA Method 325.2	4	mg/L	MLO	1/07/99
Bromide in Water	EPA Method 320.1	<2	mg/L	MLO	1/12/99
Phenols	EPA Method 420.1	<1	ug/L	SDP	1/13/99
Cadmium, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Calcium, water	ICP, EPA Method 200	37.5	mg/L	JMR	1/07/99
Iron, water	ICP, EPA Method 200	20.4	mg/L	JMR	1/07/99
Lead, water	ICP, EPA Method 200	<0.005	mg/L	JMR	1/07/99
Magnesium, water	ICP, EPA Method 200	6.5	mg/L	JMR	1/07/99
Manganese, water	ICP, EPA Method 200	5.5	mg/L	JMR	1/07/99
Potassium	FLAA, EPA Method 25	3.1	mg/L	PJD	1/06/99
Sodium, water	FLAA, EPA Method 27	8.5	mg/L	PJD	1/06/99
ICP/Flame Water Digestion	EPA Method 3010	Complete		PJD	1/06/99
Total Organic Carbon	EPA 415.2	16.0	mg/L	H2M	1/11/99

Authorized for Release: _____
David O'Hehir, Laboratory Director

NYS ELAP:10358 MA DEP:NY052 CT DEP:PH-0551 NJ DEP:73581

12/17/98 RST (11)

Tierney Rd Landfill

Arrive on site 09:30

Arrive at MW-9S 09:45

Snowing ~30°F

TWD 16.85

DaW 4.40

CWC 8.45

3.V 4.23

Total purge 4.5 gal

M.P. = top of steel 2in. pipe.

pH 6.68

cond 0.517 All cond. in mS/cm

temp 7.9

turb 330

D.O. 10.45

time sample 10:00

2.0 gal purged + bailer comes up 1/4 full. Water very silty/sediment. No odor. Allow to recharge

09:55 Horiba AutoCal

pH 3.82

cond 4.69

turb 0

12/17/98 RST (12)

well yielding slow but steady

Purge approx 4.5 gal

10:25

Wells to be sampled

9S, 1S, 3S, 4S, 5S, 7D, 10, 12

Take DaW on all wells

10:30 MW-7D*

*A non-blind duplicate of Phenols sample was collected at this well.

TWD 34.80

DaW 12.72

CWC 22.08

3.V 11.04

Total purge

MP = top of steel 2in pipe

pH 5.65

cond 1.34

temp 9.9

turb 40

DO 9.55

time sample 10:50

Water slightly turbid. No odor

MW-9S DaW = 12.73

12/17/98 RST (13)

11:10 - looking for MW-6S not found yet
11:20 - lunch break
11:40 - MW-12

TWD 48.60
DaW 30.81
LWC 17.39
3.V 8.5
Total purge
MP = top of PVC
pH 6.0
cond 3.57
turb 118
temp 11.4
time sample 12:00
DO 9.07

MW-11 12:10
Unable to get W.L. meter obstruded at approx 28.2 ft.

12/17/98 RST (14)

MW-10 12:20
W.L. meter hitting undetermined obstruction at approx 17.5 ft - going past and hitting obstruction at 26.1 ft. No water detected - Unable to lower bailer past 17.5 ft.

PZ-1 12:40
DaW = 9.62

MW-1D 12:45
DaW = 7.55

MW-1S 12:45
TWD 10.30
DaW 6.89
LWC 3.41
3.V 1.65
Total purge
pH 7.40
cond 0.192
temp 7.5
turb 107
DO 11.04
time sample 13.05

Well yield slow but good. Water slightly turbid - No odor.

12/16/98 PST

13:45 MW-5D DGW = 9.15
13:45 MW-5S
TWD 18.95
DGW 9.24
LWC 9.71
3 V 4.75
Total purge 4.75
pH 6.88 D.O. = 10.74
cond 0.357
turb 150
temp 7.6
time sample 14:00
Non blind Lab Duplicate for Phenols collected here
FD 121798 Collected here 14:00 PST
Water fairly clear
No odor

14:10
MW-8S
DGW = 8.90

14:25 MW-3S
DGW = 4.30

12/17/98 PST

14:35 MW-4D DGW = 6.30
14:35 MW-4P DGW = 6.58
14:35 MW-4S
TWD 16.85
DGW 7.02
LWC 9.83
3 V 4.7
Total purge
pH 6.20
cond 1.95
turb 8
temp 8.9
DO 9.61
time sample 15:30

15:35 MW-6S Not found
TOC 2 40 mL
Alk 1 250 mL
TKN NH3 1L
Ph 1L
BOD TDS 1L
metal 500 mL
NO3 COD 100 mL
SO4, Cl, Br 500 mL

12/17/98 RST (17)

15:45	DGW
MW-2S	8.64
MW-2PS	8.61
MW-2PD	14.61
MW-2D	8.42

12/18/98 RST (18)

Second day quarterly sampling
Arrive on site 08.00
Meet REG at front gate

08:15 on cmp -
Calibrate H_2S meter / detector
~~Not able to~~
calibration proceeded normally.
Instrument is set to SAMPLE
and cal. gas is introduced.
SPAN control set at 10ppm
Replaced alkaline batteries in unit

REG proceeding with O&M plan

09:20 - MW-3S
TWD 16.60
DGW 4.30 (12/17/98 14:25)
CWC 12.30
3.V 6.15
Total purge
pH 6.84 temp 7.8
cond 4.13
turb 16
DO 4.27
time sample 10:00

SCILAB ALBANY, INC.
15 Century Hill Drive
P.O. Box 787
Latham, NY 12110
518-786-8100
FAX 518-786-7700

CHAIN OF CUSTODY RECORD
LABORATORY SERVICES

TASK # _____

Client: Earth Tech (ET)
Client Contact: R.S. Tatico
Project Location: Tannery Rd. [illegible] Rome, NY
Purchase Order: _____

Sampler's Name: Richard S. Tatico
(please print)
Contact: Tim Holteen
Turnaround Time Requested: normal

LAB ID	Sample ID	Date Sampled	Time A = a.m. P = p.m.	Sample Type: Matrix	COMP	GRAB	# of Containers	Preservative (list by # from list below)	Analysis Required
	MW-9S	12/17/98	10:00	GW		G	8		FOR ALL SAMPLES:
	MW-7D *	12/17/98	10:50				9		TKN, NH_3, NO, COD, BOD
	MW-12	12/17/98	12:00				8		TOC, TDS, Ca, Mg, Cl,
	MW-1S	12/17/98	13:05				8		Br, Phenols, [illegible], Fe
	MW-5S *	12/17/98	14:00				9		Pb, Mg, Mn, [illegible]
	MW-4S	12/17/98	15:30				8		
	MW-3S	12/17/98	10:00				8		
	FD121798	12/17/98	—				8		

Sampled by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	12/18/98 15:00	Received by: (signature)	
Relinquished by: (signature)		Received by: (signature)	
Dispatched by: (signature)		Received for Laboratory by:	12-18-98 1500

Preservatives

1. HCl
2. HNO_3
3. NaOH
4. NaS_2O_3
5. Zn Acet
6. Ascorbic
7. H_2SO_4
8. F (Filtered)
9. N (not preserved)
10. Other

Sample Condition

1. Samples intact? (Y) N
2. Custody seals intact? Y N
3. Preserved properly? Y N
4. Ambient or chilled?
5. C.O.C. received with samples? (Y) N

Method of Shipment: HAND

Date:

NOTES/COMMENTS/BILLING INFORMATION:
* Indicates lab duplicate of Phenols sample collected for lab QA/QC. (Non-blind) [illegible]

APPENDIX D

GROUNDWATER MONITORING RESULTS - TABULAR SUMMARY

Table 1
City of Rome, Landfill Monitoring
Séptember 1998

Leachate Indicator Parameters (mg/L)	MW-9S	MW-7D	MW-12	MW-1S	MW-5S*	MW-4S	MW-3S	NYSDEC Groundwater Standard
Alkalinity	240	600	1,580	45	140	490	1,440	NS
Ammonia	.7	**55**	**155**	1	.4	**87**	**59**	2
Biochemical Oxygen Demand	<6	11	23	<2	<2	28	37	NS
Bromide	<2.0	**15.2**	<2.0	<2.0	<2.0	<2.0	<2.0	2 GV
Chemical Oxygen Demand	91	140	260	56	29	300	570	NS
Chlorides	3	85	**280**	7	83	175	**650**	250
Chromium, Hexavalent	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
Color	280	350	280	25	50	240	240	NS
Nitrite/Nitrate Nitrogen	.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	10
Phenolics	**3**	**11**	**38**	**1**	**2**	**23**	**9**	1
Sulfate	27	36	18	18	41	35	26	250
Total Cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
Total Dissolved Solids	390	**1,040**	**1,520**	170	250	**730**	**3,060**	500
Total Hardness	1,720	310	670	120	190	120	960	NS
Total Kjeldahl Nitrogen	1.3	60	160	1.6	0.9	100	20	NS
Total Organic Carbon	43.3	56.7	113	16.1	14.2	115	232	NS
Metals (ug/L)								
Aluminum	22,200	820	1,900	7,900	1,400	1,800	1,400	NS
Antimony	<60	<60	<60	<60	<60	<60	<60	3
Arsenic	<10	13	<10	<10	<10	<10	<10	25
Barium	270	530	320	<50	<50	86	**1,400**	1,000
Beryllium	<5	<5	<5	<5	<5	<5	<5	3
Boron	<500	980	**2,400**	<500	<500	**1,600**	**2,200**	1,000
Cadmium	5	<5	<5	<5	<5	<5	5	10
Calcium	216,000	62,900	120,000	16,900	42,100	17,500	195,000	NS
Chromium	**55**	<10	<10	<10	<10	<10	17	50
Cobalt	<50	<50	<50	<50	<50	<50	<50	NS
Copper	100	<20	<20	<20	<20	<20	<20	200
Iron	**66,700**	**46,800**	**66,500**	**8,900**	**12,900**	**8,000**	**82,300**	300
Lead	33	<3	7	4	<3	<3	<3	25
Magnesium	**65,800**	28,200	**75,300**	2,300	8,300	6,900	**57,600**	35000 GV
Manganese	**3,400**	**790**	**460**	**1,100**	**6,500**	**480**	**1,800**	300
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7
Nickel	90	<30	<30	<30	<30	51	<30	100
Potassium	4,200	63,400	149,000	2,100	6,200	82,100	148,000	NS
Selenium	<5	<5	<5	<5	<5	<5	<5	10
Silver	<10	<10	<10	<10	<10	<10	<10	50
Sodium	**39,800**	**45,500**	**219,000**	1,500	9,600	**126,000**	**672,000**	20000
Thallium	<10	<10	<50	<10	,10	<50	<50	0.5(GV)
Vanadium	50	<50	<50	<50	<50	<50	<50	NS
Zinc	200	83	110	32	32	52	110	2,000(GV)
Volatile Organic Parameters (ug/L)								
vinyl chloride	<10	<10	<10	<10	<10	**15**	<10	2
acetone	1	<5	4	3	<5	5	9	50(GV)
carbon disulfide	8	19	5	<5	<5	52	39	NS
1,1-dichloroethane	<5	<5	<5	<5	<5	3	<5	5
benzene	<5	**22**	**15**	<5	<5	**2**	<5	1
toluene	<5	<5	<5	<5	<5	**41**	<5	5
ethylbenzene	<5	<5	**5**	<5	<5	3	<5	5
xylenes, total	<5	**30**	**41**	<5	<5	**9**	<5	5
chlorobenzene	<5	**19**	<5	<5	<5	<5	<5	5
methylene chloride	<5	<5	<5	3	<5	<5	<5	5
Field Parameters								
pH (units)								6.5 - 8.5
Conductance (umhos/cm)								
Turbidity (NTU)								5
Temperature (deg. C)								

Value in bold exceeds the NYSDEC Groundwater Standard
NA - Not Analysed
GV - Guidance Value
Standard Organic and Inorganic Data Qualifiers have been used.

Table 2
City of Rome, Landfill Monitoring
Groundwater Analytical Data
December, 1998

Leachate Indicator Parameters (mg/L)	**MW-9S**	**MW-7D**	**MW-12**	**MW-1S**	**MW-5S***	**MW-4S**	**MW-3S**	**NYSDEC Groundwater Standard**
Alkalinity	230	460	1330	68	100	820	930	NS
Ammonia	<0.1	**50**	**160**	.93	<0.1	**12**	**55**	2
Biochemical Oxygen Demand	4.3	16	15	3.2	3.9	9.3	38	NS
Bromide	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2 GV
Chemical Oxygen Demand	65	129	306	47	37	75	210	NS
Chlorides	3	69	218	16	3	120	**360**	250
Nitrite/Nitrate Nitrogen	.2	.2	.2	<0.2	<0.2	<0.2	<2.0	10
Phenolics	<1.0	**3**	**32**	<1.0	<1.0	<1.0	**3**	1
Sulfate	23	49	12	21	45	8	37	250
Total Dissolved Solids	310	**590**	**1,510**	100	230	**1,100**	**2,200**	500
Total Kjeldahl Nitrogen	1.6	53	170	2.2	1.6	13	71	NS
Total Organic Carbon	31.9	47.9	105	28.8	16.8	28.9	67.4	NS
Metals (ug/L)								
Cadmium	<5	<5	<5	<5	<5	<5	<5	10
Calcium	91,600	53,000	108,000	17,400	35,800	130,000	175,000	NS
Iron	**15,100**	**37,000**	**57,900**	**12,300**	**18,500**	**88,000**	**58,400**	300
Lead	<5	**<5**	6	<5	<5	<5	<5	25
Magnesium	19,400	26,700	**71,200**	2,700	6,300	**47,500**	**41,200**	35000 GV
Manganese	**1,200**	**710**	**440**	**740**	**5,600**	**430**	**2,000**	300
Potassium	2,600	56,600	154,000	2,600	5,500	<500	125,000	NS
Sodium	**25,400**	**40,100**	**25,500**	2,200	5,900	**172,000**	**23,500**	20000
Field Parameters								
pH (units)								6.5 - 8.5
Conductance (umhos/cm)								
Turbidity (NTU)								5
Temperature (deg. C)								

Value in bold exceeds the NYSDEC Groundwater Standard
NA - Not Analysed
GV - Guidance Value
Standard Organic and Inorganic Data Qualifiers have been used.