



October 3, 2012

Mr. Payson Long  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
525 Broadway  
Albany, NY 12233

**Re: Review of Landfill Operations – Calendar Year 2011  
Town of Conklin Landfill  
Conklin, New York  
SCE No. R09357.04**

Dear Mr. Long:

Shumaker Consulting Engineering & Land Surveying, P.C. (SCE) has been contracted by the Town of Conklin (Town) to assist, monitor, and report on the ongoing Operations and Maintenance activities at the Town of Conklin Landfill site.

The current Operations and Maintenance Plan for the Landfill was prepared by Rust Environment and Infrastructure, and presented in the document entitled *Operation, Maintenance and Monitoring Plan, Conklin Landfill, Conklin, New York*, dated June 27, 1996 (O&M Plan). The plan calls for submission of an annual report summarizing activities at the landfill within the past year. According to the O&M Plan the annual report is to include:

- The results of all groundwater, surface water, and leachate quality data acquired in the past year.
- The amount of leachate from the landfill that was collected from the leachate collection trench and recovery wells.
- The results of leachate analytical results and the amount of leachate discharged to the sanitary sewer.
- Any alterations from the approved report, plans, and specifications or permit conditions, including justification for the change.

This report has been prepared by SCE on behalf of the Town in support of the annual report commitment promulgated by the O&M Plan. The data collected as part of this study is presented herein.

## **1.0 SITE HISTORY**

Two (2) landfill areas originally existed at the “Conklin Dumps Site”. The areas, referred to as the upper and lower landfills, operated during the 1960s and 1970s. The areas were studied extensively in the 1980s and were subsequently nominated to the National Priorities List (NPL). A remedial action plan was selected for the site. The plan ultimately called for excavating the lower landfill and placing it on top of the upper landfill. The combined landfill was then capped and a leachate collection system was installed.

Since the remedial activities at the landfill were completed in the mid-1990s, post-closure monitoring and maintenance has been conducted under the O&M Plan, which has been in effect since that date. To date, the O&M Plan has received no authorized modifications.

## **2.0 ANNUAL INSPECTION OF LANDFILL**

A SCE technician performed a visual inspection of the site on August 28, 2012. The inspector coordinated with Mr. Thomas Delamarter, the Water and Parks Superintendent for the Town of Conklin.

The landfill was inspected for:

- Condition of the perimeter fence and access roads.
- Brief inspection of the leachate collection system (trench manholes, pump station, storage tank, treatment building).
- Condition of the landfill cover for areas of instability, subsidence, erosion, discoloration, etc...
- Inspection of surface water drainage features for washouts, excessive sediment or debris in ditches, dislodged rip-rap, erosion, etc...
- Observed the gas venting system to determine if the vents have been damaged or disturbed.
- Condition of the monitoring and leachate recovery wells.

Overall, the site appears to be in good condition. Mr. Delamarter reports that Town forces visually inspect the landfill monthly and make repairs as needed. However, a formal record of inspections and repair work performed is not maintained. Town forces mow the landfill area approximately twice a year; this mowing schedule is adequate for maintaining a short shallow-rooted vegetative cover – no trees were observed growing in or near the landfill cap. Access roads have been maintained and they are traversable. The site entrance is maintained and accessible. The security fence was in good condition; however, off-site trees are impinging the fence in several locations, including two (2) small trees that died, fell over, and are lying on top of the fence. Surface drainage features appeared to be in good condition. However, some ponding was observed between two (2) stone check dams in the section of the perimeter ditch due west of its down chute. The landfill cover appeared to be in good condition.

Monitoring wells and gas vents appeared to be in generally good repair. There was not a lock on MW-38S; a new lock has already been installed. MW-12 is still enveloped by trees and shrubs, and it is difficult to access along the north side of the landfill security fence due to thick vegetative growth. MW-2, a depth only well, is reported to have a blockage at 19-feet; a water level reading could not be collected again this year.

The leachate recovery system was observed and tested during this field visit. Based on observation of the control panel, the pumps, level monitors, and controls appeared to be functioning normally. The system was tested in automatic and in manual, and system response was verified.

The leachate handling system was also inspected in support of this report. The exterior of the building that houses the leachate handling system was noted to be in good condition and no major structural or plumbing deficiencies were noted on the interior components. The secondary containment for the leachate tank had accumulated some stormwater due to a missing section of the containment skirt. The secondary containment skirt was repaired, and the containment dike was drained and is currently functioning properly.

Interior components within the leachate handling building were inspected, and no deficiencies were noted. The tank level monitor is fully operational, and the sump pump was tested, and functioned normally.

### **3.0 LEACHATE DISCHARGES**

The Site is equipped with a leachate collection system that includes leachate recovery wells and trenches. Leachate is temporarily stored in a pump station prior to being transferred to a 30,000 gallon aboveground storage tank (AST). The leachate is stored in the tank until it is sampled and submitted for laboratory analysis. After analytical results are received the leachate is discharged to the sewer system. As previously noted, the discharge of the leachate is regulated through an IWPP Permit with the Binghamton-Johnson City Joint Sewage Board (BJCJSB). The permit was most recently updated in September 2009, but expired on August 31, 2012; a new permit is expected to be issued.

Leachate is generally discharged once a year. The Town has coordinated discharge of the leachate with the annual inspection of the facility conducted by the BJCJSB. The Town utilizes the analytical data gathered by the BJCJSB to determine if the leachate is within their permitted effluent limitations prior to discharging to the sewer system. The Town then reports to the BJCJSB when they discharge the leachate.

The BJCJSB completed an inspection of the Conklin Landfill Leachate Collection System on August 9, 2011, and collected laboratory samples to document the leachate analytical parameters. Based on a telephone conversation with Mr. Tom Delamarter, leachate from the storage tank was not discharged in 2011 because, by the time the Town was given authorization by the BJCJSB to discharge the leachate, the contents of the leachate collection tank had become frozen. As a result, a discharge report from the Town was not prepared and the analytical data of the pre-discharge samples collected for BJCJSB has not been included for 2011. Documentation of the BJCJSB inspection is included as an attachment herein as Appendix A.

At this time, the Town does not track the amount of leachate recovered from each of the three (3) recovery wells. However, the Town does regularly monitor the leachate level in the storage tank to ensure that the tank is not in danger of becoming overfilled. A tank level detector has been installed and is part of the tank level monitoring system.

#### **4.0 GROUNDWATER AND SURFACE WATER QUALITY ASSESSMENT**

The landfill is required to sample a selection of monitoring wells and a surface water (Carlin Creek) every quarter. One (1) round each year must be analyzed for Part 360 baseline parameters in conformance with the O&M Plan.

The Town has contracted with Benchmark Analytics, Inc. (Benchmark) to perform the quarterly sampling. The site was assessed and sampled by a representative from Test Assured Network, a subcontractor to Benchmark, on:

- March 30, 2011
- June 29, 2011
- August 31, 2011
- November 28, 2011

The laboratory narratives for each of the quarterly sampling events do not indicate any problems with the sampling or analysis. Complete copies of each quarterly Analytical Test Report for 2011 are attached as Appendix B.

#### **4.1 GROUNDWATER QUALITY ASSESSMENT**

None of the wells sampled during the Benchmark Sampling Events on December 28, 2010 or March 30, 2011, indicated that concentrations of the identified leachate marker compounds Chloroethane, 1,2-Dichloropropane, Methylene Chloride, or Xylenes were present above detection limits in any of the samples.

The upgradient well, MW-1, continues to exhibit periodic excursions in detected concentrations of Phenol, Iron, Manganese, and Sodium. These sporadic exceedances complicate the evaluation of the downgradient monitoring well data, and no cause for these excursions has been identified.

All of the downgradient wells contained elevated levels of inorganics including Iron, Manganese, Lead, and Thallium; in addition, the data shows that MW-3 also has elevated levels of Magnesium. In many instances, the concentrations exceed the New York State Department of Environmental Conservation (NYSDEC) drinking water standards. Since very few of these contaminants are present in the upgradient well MW-1, and none of the contaminants have been detected in the downgradient surface water samples at Carlin Creek, it may be suspected that the increased concentrations are caused by the chemical reduction zone under the landfill or by the acidification of silt in the water sample during preservation. During the upcoming sampling rounds, it is recommended that the sample be field filtered if the turbidity exceeds 50 NTUs. Field filtering may greatly reduce the potential impact of silt on the analytical results.

Throughout the year, the well containing the most parameters in excess of NYSDEC drinking water standards was MW-38D. MW-38D was found to contain consistently high levels of Phenol, Cadmium, Chromium, Copper, Iron, Magnesium, Manganese, Sodium, Nickel, Lead, and Thallium throughout the year. There are no upgradient samples which correlate with these contaminant concentrations; however, it has been noted that MW-38D also contains a significant buildup of accumulated silt within the well.

MW-37 is the only well on the parcel that did not contain Phenol above NYSDEC standards through the 2011 reporting period.

#### **4.2. SURFACE WATER QUALITY ASSESSMENT**

The quarterly surface water samples collected from the Carlin Creek do not contain any of the contaminants detected in the groundwater monitoring program. All Part 360 parameters collected from Carlin Creek are below state standards, and do not appear to be trending higher over time. The only contaminants found to exceed state standards in Carlin Creek in 2011 is Sodium and Iron. Although no specific source has been identified, the source for Sodium is speculated to be road salt from nearby roadway surfaces and parking lots.

No volatile organic compounds (VOC) were detected in the Benchmark analysis at the Carlin Creek sampling point.

#### **5.0 POTENTIAL RE-USE EVALUATION**

Currently, there is no guidance available at the NYSDEC for potential re-use scenarios for capped landfill sites. Many landfill sites are re-used for municipal solid waste facilities, equipment storage sites, cellular antennae sites, or for other municipal functions such as police department shooting ranges and training facilities. Following an objective evaluation of the very steep slopes on the Conklin landfill site, there are few reasonable re-use alternatives readily identified for the site. This is especially true because of the readily available Greenfield sites in the Town which make development options in the former landfill less desirable.

The topic of using the landfill as a solar panel farm was brought up by EPA during its 5-year inspection of the landfill conducted on August 30, 2012. Subsequent to this comment, Mr. Tom Delamarter of the Town of Conklin has initiated a feasibility assessment of using the site as a potential large-scale solar farm to defray the Town's electrical costs.

## 6.0 RECOMMENDATIONS

Based on the observations of the past year of landfill operations, SCE recommends the following:

- Accumulated silt in MW-38D may be suspected for impacting the measured water quality from this well. It is recommended that MW-38D be redeveloped as a maintenance task at the landfill. Further, if high turbidity is detected in any sample, the analytical laboratory should be requested to field filter the analytical sample to prevent the dissolution of metal contaminants during sample preservation.
- Although water samples are not collected from MW-2, its water level is monitored; it was documented that, for three (3) of the four (4) quarterly sampling events and during the annual inspection, the water level could not be measured because of a blockage at a depth of about 19-feet. It is recommended that an alternate well be identified as a groundwater level monitoring well, and that MW-2 be removed from the list of monitored wells.
- The Town should perform a limited amount of tree and brush removal outside of the perimeter fence, in order to ensure the long-term performance of wells in that area. Specifically, it is recommended that the trees and brush growing around MW-12 be cut back to ensure that no root encroachment is taking place at the well.

Very Truly Yours

**SHUMAKER CONSULTING ENGINEERING  
& LAND SURVEYING, P.C.**



W. Curtis Nichols, P.E., LEED-AP  
Managing Engineer

WCN/krf

Enclosures

cc: George Jacob, USEPA  
Tom Delamarter, Town of Conklin  
James Finch, Town of Conklin

## **APPENDIX A**



INDUSTRIAL INSPECTION  
INDUSTRIAL PRETREATMENT PROGRAM  
BINGHAMTON-JOHNSON CITY JOINT SEWAGE BOARD

Date: 4 September 2012

1. Name of Company: Town of Conklin Landfill

2. Site Address: Corporate Park Drive, Conklin, NY 13748

3. Company Contact:

Name: Thomas Delamarter

Title: Water and Parks Superintendent Telephone No (607) 775-4584

4. Persons Interviewed: T. Delamarter

5. Reason for Visit (include any action items to be reviewed): \_\_\_\_\_

Annual inspection and sampling

6. Description of Products: Facility is a closed and capped landfill

that discharges leachate to the collection system.

7. Description of Solid Waste or Residuals Handling:

Material: Leachate \_\_\_\_\_

Handling: Pumps and trenches \_\_\_\_\_

Storage: 30,000 gal AST \_\_\_\_\_

Discharged to \_\_\_\_\_

Disposal: collection sys.

8. Have there been any recent process changes or are there any proposed process changes?

Yes  No

Description of Recent or Proposed Changes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Attach diagram of process changes.)



9. Have there been any recent pretreatment operational problems or shutdowns?  Yes  No

Description of Reasons and Effects: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. Condition of: Tank in good condition

Samplers: Manual sampling ports in good condition

Flow Measurement: SCADA System

Pretreatment Facilities (if any): Bag filters bypassed

11. Inspector's Comments: Landfill operation and maintenance in good condition. EPA 5-year inspection was recently conducted on 29 August 2012. Town is looking to discharge leachate from storage tank before temperatures drop below freezing. Town is coordinating with NYSDEC to get variance to sample wells every fifth quarter instead of every quarter.  
\_\_\_\_\_  
\_\_\_\_\_

12. Follow-Up Action Required: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. Name of Inspector: Donald Lockwood (SCE)

14. Title of Inspector: Environmental Scientist/Inspector

15. Other Town Representatives Present: \_\_\_\_\_  
\_\_\_\_\_

Areas to Inspect or Discuss:

- |                                |          |                                    |          |
|--------------------------------|----------|------------------------------------|----------|
| 1. Manufacturing Facilities    | _____    | 6. Sampling Procedures (locations) | <u>x</u> |
| 2. Pretreatment Facilities     | <u>x</u> | 7. Laboratory Procedures           | <u>x</u> |
| 3. Chemical Storage Facilities | _____    | 8. Monitoring Records              | <u>x</u> |
| 4. Locations of Floor Drains   | _____    | 9. Air Pollution Control Equipment | _____    |
| 5. Haz. Waste Storage Areas    | _____    | 10. Process Discharge              | <u>x</u> |

Industry Specific:

11. \_\_\_\_\_ 12. \_\_\_\_\_

## **APPENDIX B**

LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169

Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 3 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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DATE: 03/31/2011 10:25

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Compound	Concentration	Method	Result	Date/Time	Date/Time	Analyst
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

SAMPLE: MW-3

Lab ID: 11034454-001B

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 13:15

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst*
Mercury	< 0.0002 mg/L	EPA 245.1	0.0002	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	58.5 mg/L	EPA 200.7	0.050	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.020 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	0.040 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Barium	0.293 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	0.003 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.100 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	0.002 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV

REMARKS:

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted on the Analytical Report.

\* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

K Sample was received past holding time.

L Value above calibration range but within annually verified linear range

MS Limit of detection increased due to matrix interference and spike recovery data

S Spike Recovery outside accepted recovery limits

Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cami M. Davis*

DATE:

4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 4 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584

FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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DATE: 03/31/2011 10:25

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Element	Concentration	Method	Conc. Unit	Date	Time	Lab
Calcium	48.1 mg/L	EPA 200.7	0.100	04/02/11	9:15	GSR-CV
Chromium	0.074 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Cobalt	0.053 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Copper	0.094 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Iron	125 mg/L	EPA 200.7	0.020	04/02/11	9:15	GSR-CV
Lead	0.054 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Magnesium	28.3 mg/L	EPA 200.7	0.030	04/02/11	9:15	GSR-CV
Manganese	1.52 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Nickel	0.116 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Potassium	4.73 mg/L	EPA 200.7	0.550	04/02/11	9:15	GSR-CV
Selenium	< 0.040 mg/L	EPA 200.7	0.040	04/02/11	9:15	GSR-CV
Silver	< 0.002 mg/L	EPA 200.7	0.002	04/02/11	9:15	GSR-CV
Sodium	10.7 mg/L	EPA 200.7	0.550	04/02/11	9:15	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	04/02/11	9:15	GSR-CV
Vanadium	0.080 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Zinc	0.304 mg/L	EPA 200.7	0.005	04/02/11	9:15	GSR-CV
Hardness, Calculation	237 mg/L	EPA 200.7	0.373	04/02/11	9:15	GSR-CV

SAMPLE: MW-3

Lab ID: 11034454-001C Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 13:15

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	154 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

REMARKS:

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L Value above calibration range but within annually verified linear range

MS Limit of detection increased due to matrix interference and spike recovery data

S Spike Recovery outside accepted recovery limits

Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

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LAB ID # 11827

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SAMPLE: **MW-3** Lab ID: 11034454-001D Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	92 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA

SAMPLE: **MW-3** Lab ID: 11034454-001E Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	03/31/11 10:00	04/05/11	NFM-SA
pH	6.45@21.4°C	K SM4500H+B		04/01/11 12:00	04/01/11	MED-SA

SAMPLE: **MW-3** Lab ID: 11034454-001F Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Bromide	0.09 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV

SAMPLE: **MW-3** Lab ID: 11034454-001G Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	14.2 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
Sulfate	11.1 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV

REMARKS:

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- L Value above calibration range but within annually verified linear range
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*Cassie M. Davis*

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Landfill-Baseline

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-3 Lab ID: 11034454-001H Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Total Dissolved Solids	212 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA
SAMPLE: MW-3 Lab ID: 11034454-001I Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Color	12 Pt Co	SM2120B	5	04/01/11 8:00	04/01/11	KMF-SA
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	04/04/11 10:26	04/04/11	KMF-SA
SAMPLE: MW-3 Lab ID: 11034454-001J Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA
SAMPLE: MW-3 Lab ID: 11034454-001K Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Hexavalent Chromium	< 0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA
SAMPLE: MW-3 Lab ID: 11034454-001L Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	03/31/11 3:37	03/31/11	KMF-SA

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Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454  
PAGE: 7 of 44  
PO#:  
PWS ID# Broome Co. DOH

## TEST REPORT

PHONE: (607) 775-4584  
FAX: (607) 775-1434

Landfill-Baseline

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DATE: 03/31/2011 10:25

Page 7 of 44

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-3 Lab ID: 11034454-001M Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat	1.0	04/05/11 10:33	04/05/11	KAL-SA
SAMPLE: MW-3 Lab ID: 11034454-001N Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:15						
Total Organic Carbon	1.6 mg/L	SM5310C	0.5	03/31/11 12:00	03/31/11	MED-SA
SAMPLE: MW-4 Lab ID: 11034454-002A Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Benzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromodichloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromoform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
sec-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
tert-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Carbon tetrachloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Amie M. Davis*

DATE: 4/14/2011

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LAB ID # 11827

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PAGE: 8 of 44

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## TEST REPORT

### Landfill-Baseline

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Page 8 of 44

Chloroform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
4-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromoethane (EDB)	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromo-3-chloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,4-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dichlorodifluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Ethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Hexachlorobutadiene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011



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LAB ID # 11827

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**Eastern Division**

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Fax: (570) 888-0717

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Conklin, NY 13748

WO#: 11034454

PAGE: 9 of 44

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**TEST REPORT**

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Isopropylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
p-Isopropyltoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methylene chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Propylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Styrene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Tetrachloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Toluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Cami M. Davis*

DATE:

4/14/2011

LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 10 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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DATE: 03/31/2011 10:25

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SAMPLE: MW-4

Lab ID: 11034454-002B

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 13:55

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Mercury	< 0.0002 mg/L	EPA 245.1	0.0002	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	8.43 mg/L	EPA 200.7	0.050	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.020 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Barium	0.091 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.100 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Calcium	34.7 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Chromium	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Cobalt	0.027 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Copper	0.013 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Iron	14.8 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Lead	0.018 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Magnesium	10.6 mg/L	EPA 200.7	0.030	04/02/11 9:15	04/05/11	GSR-CV
Manganese	2.04 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Nickel	0.013 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Potassium	2.10 mg/L	EPA 200.7	0.550	04/02/11 9:15	04/05/11	GSR-CV
Selenium	< 0.040 mg/L	EPA 200.7	0.040	04/02/11 9:15	04/05/11	GSR-CV
Silver	< 0.002 mg/L	EPA 200.7	0.002	04/02/11 9:15	04/05/11	GSR-CV
Sodium	6.62 mg/L	EPA 200.7	0.550	04/02/11 9:15	04/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV

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MANAGER

*Amie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

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**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

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COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 11 of 44

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**TEST REPORT**

Landfill-Baseline

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Page 11 of 44

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
Vanadium	0.013 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Zinc	0.035 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Hardness, Calculation	130 mg/L	EPA 200.7	0.373	04/02/11 9:15	04/05/11	GSR-CV

SAMPLE: **MW-4** Lab ID: 11034454-002C Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	102 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

SAMPLE: **MW-4** Lab ID: 11034454-002D Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	21 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA

SAMPLE: **MW-4** Lab ID: 11034454-002E Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	03/31/11 10:00	04/05/11	NFM-SA
pH	7.08@21.7°C	K SM4500H+B		04/01/11 12:00	04/01/11	MED-SA

SAMPLE: **MW-4** Lab ID: 11034454-002F Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Bromide	< 0.05 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV

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COMPANY: Conklin, Town of  
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PAGE: 12 of 44

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**TEST REPORT**

Landfill-Baseline

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Page 12 of 44

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-4 Lab ID: 11034454-002G Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Chloride	18.9 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
Sulfate	9.29 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
SAMPLE: MW-4 Lab ID: 11034454-002H Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Total Dissolved Solids	179 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA
SAMPLE: MW-4 Lab ID: 11034454-002I Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Color	10 Pt Co	SM2120B	5	04/01/11 8:00	04/01/11	KMF-SA
Nitrate as N	0.12 mg/L	EPA 353.2	0.05	04/04/11 10:26	04/04/11	KMF-SA
SAMPLE: MW-4 Lab ID: 11034454-002J Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA
SAMPLE: MW-4 Lab ID: 11034454-002K Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Hexavalent Chromium	< 0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA

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Landfill-Baseline

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Page 13 of 44

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-4 Lab ID: 11034454-002L Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Phenol	0.044 mg/L	EPA 420.4	0.025	03/31/11 3:37	03/31/11	KMF-SA
SAMPLE: MW-4 Lab ID: 11034454-002M Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat	1.0	04/05/11 10:33	04/05/11	KAL-SA
SAMPLE: MW-4 Lab ID: 11034454-002N Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 13:55						
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	03/31/11 12:00	03/31/11	MED-SA
SAMPLE: MW-12 Lab ID: 11034454-003A Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Benzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromodichloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromoform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MS Limit of detection increased due to matrix interference and spike recovery data

S Spike Recovery outside accepted recovery limits

Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169

Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 14 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584

FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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DATE: 03/31/2011 10:25

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sec-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
tert-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Carbon tetrachloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
4-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromoethane (EDB)	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromo-3-chloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,4-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dichlorodifluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 15 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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1,1-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Ethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Hexachlorobutadiene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Isopropylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
p-Isopropyltoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methylene chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Propylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Styrene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Tetrachloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Toluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Carrie M. Davis*

DATE:

4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

**SEND DATA TO:**

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 16 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Component	Concentration	Method	Result	Time	Date	Analyst
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

SAMPLE: MW-12

Lab ID: 11034454-003B

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 15:20

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Mercury	< 0.0002 mg/L	EPA 245.1	0.0002	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	5.78 mg/L	EPA 200.7	0.050	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.020 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Barium	0.055 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.100 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Calcium	23.9 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Chromium	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Cobalt	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Copper	0.016 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Iron	10.3 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Magnesium	8.64 mg/L	EPA 200.7	0.030	04/02/11 9:15	04/05/11	GSR-CV
Manganese	1.39 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Nickel	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Potassium	1.28 mg/L	EPA 200.7	0.550	04/02/11 9:15	04/05/11	GSR-CV

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MANAGER

*Amie M. Davis*

DATE:

4/14/2011



LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454  
PAGE: 17 of 44  
PO#:  
PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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Test	Result	Method	Concentration	Date	Time	Analyst
Selenium	< 0.040 mg/L	EPA 200.7	0.040	04/02/11 9:15	04/05/11	GSR-CV
Silver	< 0.002 mg/L	EPA 200.7	0.002	04/02/11 9:15	04/05/11	GSR-CV
Sodium	9.47 mg/L	EPA 200.7	0.550	04/02/11 9:15	04/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Zinc	0.021 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Hardness, Calculation	95.2 mg/L	EPA 200.7	0.373	04/02/11 9:15	04/05/11	GSR-CV

SAMPLE: **MW-12** Lab ID: 11034454-003C Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 15:20

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	104 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

SAMPLE: **MW-12** Lab ID: 11034454-003D Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 15:20

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	23 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA

SAMPLE: **MW-12** Lab ID: 11034454-003E Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 15:20

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	03/31/11 10:00	04/05/11	NFM-SA
pH	6.38@21.9°C	K SM4500H+B		04/01/11 12:00	04/01/11	MED-SA

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MANAGER

*Cami M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 18 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-12 Lab ID: 11034454-003F Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Bromide	0.25 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV
SAMPLE: MW-12 Lab ID: 11034454-003G Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Chloride	5.83 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
Sulfate	14.1 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
SAMPLE: MW-12 Lab ID: 11034454-003H Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Total Dissolved Solids	178 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA
SAMPLE: MW-12 Lab ID: 11034454-003I Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Color	< 5 Pt Co	SM2120B	5	04/01/11 8:00	04/01/11	KMF-SA
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	04/04/11 10:26	04/04/11	KMF-SA
SAMPLE: MW-12 Lab ID: 11034454-003J Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA

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Conklin, NY 13748

WO#: 11034454  
PAGE: 19 of 44  
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PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
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**TEST REPORT**

Landfill-Baseline

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Page 19 of 44

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-12 Lab ID: 11034454-003K Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Hexavalent Chromium	< 0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA
SAMPLE: MW-12 Lab ID: 11034454-003L Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	03/31/11 3:37	03/31/11	KMF-SA
SAMPLE: MW-12 Lab ID: 11034454-003M Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat	1.0	04/05/11 10:33	04/05/11	KAL-SA
SAMPLE: MW-12 Lab ID: 11034454-003N Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:20						
Total Organic Carbon	1.3 mg/L	SM5310C	0.5	03/31/11 12:00	03/31/11	MED-SA
SAMPLE: MW-37 Lab ID: 11034454-004A Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 12:45						
Benzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 20 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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DATE: 03/31/2011 10:25

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Bromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromodichloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromoform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
sec-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
tert-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Carbon tetrachloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
4-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromoethane (EDB)	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromo-3-chloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,4-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dichlorodifluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

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NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
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PAGE: 21 of 44

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**TEST REPORT**

PWS ID# Broome Co. DOH

Landfill-Baseline

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cis-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Ethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Hexachlorobutadiene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Isopropylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
p-Isopropyltoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methylene chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Propylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Styrene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Tetrachloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Toluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

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2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 22 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Test	Result	Method	Concentration	Date	Time	Analyst
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	CTM-SA

SAMPLE: MW-37

Lab ID: 11034454-004B Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 12:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Mercury	< 0.0002 mg/L	EPA 245.1	0.0002	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	8.21 mg/L	EPA 200.7	0.050	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.020 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Barium	0.053 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.100 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Calcium	41.3 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Chromium	0.023 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Cobalt	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Copper	0.012 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Iron	16.4 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV

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*Cami M. Davis*

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2566 Pennsylvania Ave.  
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Landfill-Baseline

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Element	Concentration	Method	Result	Date	Time	Analyst
Lead	< 0.010 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Magnesium	8.10 mg/L	EPA 200.7	0.030	04/02/11	9:15	GSR-CV
Manganese	0.429 mg/L	EPA 200.7	0.002	04/02/11	9:15	GSR-CV
Nickel	0.015 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Potassium	3.81 mg/L	EPA 200.7	0.550	04/02/11	9:15	GSR-CV
Selenium	< 0.040 mg/L	EPA 200.7	0.040	04/02/11	9:15	GSR-CV
Silver	< 0.002 mg/L	EPA 200.7	0.002	04/02/11	9:15	GSR-CV
Sodium	7.91 mg/L	EPA 200.7	0.550	04/02/11	9:15	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	04/02/11	9:15	GSR-CV
Vanadium	0.013 mg/L	EPA 200.7	0.010	04/02/11	9:15	GSR-CV
Zinc	0.036 mg/L	EPA 200.7	0.005	04/02/11	9:15	GSR-CV
Hardness, Calculation	136 mg/L	EPA 200.7	0.373	04/02/11	9:15	GSR-CV

SAMPLE: MW-37

Lab ID: 11034454-004C

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 12:45

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	120 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

SAMPLE: MW-37

Lab ID: 11034454-004D

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 12:45

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	18 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA

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LAB ID # 11827

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PAGE: 24 of 44

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SAMPLE: **MW-37** Lab ID: 11034454-004E Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 12:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	03/31/11 10:00	04/05/11	NFM-SA
pH	7.81@21.8°C	K SM4500H+B		04/01/11 12:00	04/01/11	MED-SA

SAMPLE: **MW-37** Lab ID: 11034454-004F Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 12:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Bromide	< 0.05 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV

SAMPLE: **MW-37** Lab ID: 11034454-004G Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 12:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	9.17 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
Sulfate	11.7 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV

SAMPLE: **MW-37** Lab ID: 11034454-004H Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 12:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Dissolved Solids	222 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA

SAMPLE: **MW-37** Lab ID: 11034454-004I Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 12:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Color	< 5 Pt Co	SM2120B	5	04/01/11 8:00	04/01/11	KMF-SA

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## TEST REPORT

Landfill-Baseline

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Test	Result	Method		Analysis Start	Analysis End	Analyst *
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	04/04/11 10:26	04/04/11	KMF-SA
SAMPLE: MW-37 Lab ID: 11034454-004J Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 12:45						
SLOQ						
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA
SAMPLE: MW-37 Lab ID: 11034454-004K Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 12:45						
SLOQ						
Hexavalent Chromium	< 0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA
SAMPLE: MW-37 Lab ID: 11034454-004L Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 12:45						
SLOQ						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	03/31/11 3:37	03/31/11	KMF-SA
SAMPLE: MW-37 Lab ID: 11034454-004M Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 12:45						
SLOQ						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat	1.0	04/07/11 10:43	04/07/11	KAL-SA
SAMPLE: MW-37 Lab ID: 11034454-004N Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 12:45						
SLOQ						
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	03/31/11 12:00	03/31/11	MED-SA

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4/14/2011

LAB ID # 11827

BENCHMARK ANALYTICS, INC.

Eastern Division

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SAMPLE: MW-38D  
SAMPLED BY: FC

Lab ID: 11034454-005A Grab  
Sample Time: 03/30/2011 15:40

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Benzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromodichloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromoform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
sec-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
tert-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Carbon tetrachloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
4-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromoethane (EDB)	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromo-3-chloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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- Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cami M. Davis*

DATE:

4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 27 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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DATE: 03/31/2011 10:25

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1,4-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dichlorodifluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Ethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Hexachlorobutadiene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Isopropylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
p-Isopropyltoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methylene chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Propylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Styrene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Tetrachloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Toluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Ami M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 28 of 44

PO#:

PWS ID# Broome Co. DOH

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FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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Compound	Concentration	Method	Result	Date/Time	Lab	Analyst
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

SAMPLE: MW-38D  
SAMPLED BY: FC

Lab ID: 11034454-005B Grab

Sample Time: 03/30/2011 15:40

SLOQ

Test	Result	Method	Analysis Start	Analysis End	Analyst *
Mercury	< 0.0008 mg/L MS	EPA 245.1	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	221 mg/L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.180 mg/L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	0.274 mg/L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV
Barium	9.89 mg/L L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	0.017 mg/L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.900 mg/L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	0.013 mg/L	EPA 200.7	04/02/11 9:15	04/05/11	GSR-CV

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MANAGER

*Carrie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454  
PAGE: 29 of 44  
PO#:  
PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Element	Concentration	Unit	Method	Conc	Date	Time	Lab
Calcium	558	mg/L	EPA 200.7	0.900	04/02/11	9:15	GSR-CV
Chromium	0.240	mg/L	EPA 200.7	0.090	04/02/11	9:15	GSR-CV
Cobalt	0.292	mg/L	EPA 200.7	0.090	04/02/11	9:15	GSR-CV
Copper	0.294	mg/L	EPA 200.7	0.090	04/02/11	9:15	GSR-CV
Iron	698	mg/L	EPA 200.7	0.180	04/02/11	9:15	GSR-CV
Lead	0.241	mg/L	EPA 200.7	0.090	04/02/11	9:15	GSR-CV
Magnesium	183	mg/L	EPA 200.7	0.270	04/02/11	9:15	GSR-CV
Manganese	100	mg/L	L EPA 200.7	0.018	04/02/11	9:15	GSR-CV
Nickel	0.492	mg/L	Z EPA 200.7	0.090	04/02/11	9:15	GSR-CV
Potassium	11.9	mg/L	EPA 200.7	4.95	04/02/11	9:15	GSR-CV
Selenium	< 0.360	mg/L	EPA 200.7	0.360	04/02/11	9:15	GSR-CV
Silver	< 0.018	mg/L	EPA 200.7	0.018	04/02/11	9:15	GSR-CV
Sodium	44.8	mg/L	EPA 200.7	4.95	04/02/11	9:15	GSR-CV
Thallium	< 0.225	mg/L	EPA 200.7	0.225	04/02/11	9:15	GSR-CV
Vanadium	0.271	mg/L	EPA 200.7	0.090	04/02/11	9:15	GSR-CV
Zinc	1.30	mg/L	EPA 200.7	0.045	04/02/11	9:15	GSR-CV
Hardness, Calculation	2140	mg/L	EPA 200.7	3.36	04/02/11	9:15	GSR-CV

SAMPLE: MW-38D

Lab ID: 11034454-005C

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 15:40

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	172 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

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MANAGER

*Ami M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

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2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

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NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 30 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: <b>MW-38D</b> Lab ID: 11034454-005D Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Ammonia as N	0.9 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	342 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA
SAMPLE: <b>MW-38D</b> Lab ID: 11034454-005E Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
BOD	< 6 mg/L	SM5210B	6	04/01/11 8:00	04/06/11	NFM-SA
pH	7.71@21.2°C	K SM4500H+B		04/01/11 12:00	04/01/11	MED-SA
SAMPLE: <b>MW-38D</b> Lab ID: 11034454-005F Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Bromide	0.13 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV
SAMPLE: <b>MW-38D</b> Lab ID: 11034454-005G Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Chloride	11.1 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
Sulfate	8.63 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV

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MANAGER

*Annie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 31 of 44

PO#:

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

PWS ID# Broome Co. DOH

Landfill-Baseline

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-38D Lab ID: 11034454-005H Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Total Dissolved Solids	160 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA
SAMPLE: MW-38D Lab ID: 11034454-005I Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Color	30 Pt Co	SM2120B	10	04/01/11 8:00	04/01/11	KMF-SA
Nitrate as N	0.10 mg/L	EPA 353.2	0.05	04/01/11 15:42	04/04/11	KMF-SA
SAMPLE: MW-38D Lab ID: 11034454-005J Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA
SAMPLE: MW-38D Lab ID: 11034454-005K Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Hexavalent Chromium	0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA
SAMPLE: MW-38D Lab ID: 11034454-005L Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 15:40						
Phenol	0.829 mg/L	EPA 420.4	0.250	03/31/11 3:37	03/31/11	KMF-SA

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 32 of 44

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**TEST REPORT**

Landfill-Baseline

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SAMPLE: **MW-38D** Lab ID: 11034454-005M Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 15:40  
SLOQ  

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	2.2 mg/L	Lachat	1.0	04/05/11 10:33	04/05/11	KAL-SA

SAMPLE: **MW-38D** Lab ID: 11034454-005N Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 15:40  
SLOQ  

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	2.3 mg/L	SM5310C	0.5	04/05/11 10:00	04/05/11	SG-SA

SAMPLE: **SW Carlin** Lab ID: 11034454-006A Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 14:50  
SLOQ  

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Benzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromodichloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromoform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
sec-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
tert-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Carbon tetrachloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Carrie M. Davis*

DATE: 4/14/2011



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LAB ID # 11827

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## TEST REPORT

Landfill-Baseline

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Chloroform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
4-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromoethane (EDB)	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromo-3-chloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,4-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dichlorodifluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Ethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Hexachlorobutadiene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Carrie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 34 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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DATE: 03/31/2011 10:25

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Isopropylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
p-Isopropyltoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methylene chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Propylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Styrene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Tetrachloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Toluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454  
PAGE: 35 of 44  
PO#:

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

PWS ID# Broome Co. DOH

Landfill-Baseline

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SAMPLE: SW Carlin  
SAMPLED BY: FC

Lab ID: 11034454-006B  
Sample Time: 03/30/2011 14:50

Grab

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Mercury	< 0.0002 mg/L	EPA 245.1	0.0002	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	0.098 mg/L	EPA 200.7	0.050	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.020 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Barium	0.011 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.100 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Calcium	10.8 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Chromium	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Cobalt	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Copper	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Iron	0.100 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Magnesium	2.63 mg/L	EPA 200.7	0.030	04/02/11 9:15	04/05/11	GSR-CV
Manganese	0.004 mg/L	EPA 200.7	0.002	04/02/11 9:15	04/05/11	GSR-CV
Nickel	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Potassium	1.06 mg/L	EPA 200.7	0.550	04/02/11 9:15	04/05/11	GSR-CV
Selenium	< 0.040 mg/L	EPA 200.7	0.040	04/02/11 9:15	04/05/11	GSR-CV
Silver	< 0.002 mg/L	EPA 200.7	0.002	04/02/11 9:15	04/05/11	GSR-CV
Sodium	30.1 mg/L	EPA 200.7	2.75	04/02/11 9:15	04/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV

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MANAGER

*Amie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 36 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Test	Result	Method	Concentration	Time	Date	Analyst
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Zinc	< 0.005 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Hardness, Calculation	37.8 mg/L	EPA 200.7	0.373	04/02/11 9:15	04/05/11	GSR-CV

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006C Grab

Sample Time: 03/30/2011 14:50

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	22 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006D Grab

Sample Time: 03/30/2011 14:50

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
Ammonia as N	0.2 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	18 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006E Grab

Sample Time: 03/30/2011 14:50

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	03/31/11 10:00	04/05/11	NFM-SA
pH	7.34@21.5°C	SM4500H+B	K	04/01/11 12:00	04/01/11	MED-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006F Grab

Sample Time: 03/30/2011 14:50

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
Bromide	< 0.05 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV

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MANAGER

*Cassie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 37 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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DATE: 03/31/2011 10:25

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SAMPLE: **SW Carlin** Lab ID: 11034454-006G Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 14:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	56.1 mg/L	EPA 300.0	2.50	04/07/11 14:14	04/07/11	HDP-CV
Sulfate	8.75 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV

SAMPLE: **SW Carlin** Lab ID: 11034454-006H Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 14:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Dissolved Solids	135 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA

SAMPLE: **SW Carlin** Lab ID: 11034454-006I Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 14:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Color	< 5 Pt Co	SM2120B	5	04/01/11 8:00	04/01/11	KMF-SA
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	04/04/11 10:26	04/04/11	KMF-SA

SAMPLE: **SW Carlin** Lab ID: 11034454-006J Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 14:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA

SAMPLE: **SW Carlin** Lab ID: 11034454-006K Grab  
SAMPLED BY: FC Sample Time: 03/30/2011 14:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Hexavalent Chromium	< 0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA

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MANAGER

*Cami M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 38 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006L Grab

Sample Time: 03/30/2011 14:50

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>		<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Phenol	< 0.025 mg/L	EPA 420.4	0.025	03/31/11 3:37	03/31/11	KMF-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006M Grab

Sample Time: 03/30/2011 14:50

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>		<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat	1.0	04/05/11 10:33	04/05/11	KAL-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11034454-006N Grab

Sample Time: 03/30/2011 14:50

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>		<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Organic Carbon	1.2 mg/L	SM5310C	0.5	03/31/11 12:00	04/01/11	MED-SA

SAMPLE: **MW-1- Upgradient**  
SAMPLED BY: FC

Lab ID: 11034454-007A Grab

Sample Time: 03/30/2011 11:00

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>		<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Benzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromodichloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromofom	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Bromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

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MANAGER

*Carrie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

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WO#: 11034454  
PAGE: 39 of 44  
PO#:

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## TEST REPORT

PWS ID# Broome Co. DOH

Landfill-Baseline

RECEIVED FOR LAB BY: CMS

DATE: 03/31/2011 10:25

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sec-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
tert-Butylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Carbon tetrachloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloroform	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Chloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
4-Chlorotoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromochloromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dibromomethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromoethane (EDB)	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dibromo-3-chloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,4-Dichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Dichlorodifluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,2-Dichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
2,2-Dichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

### REMARKS:

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K Sample was received past holding time.

L Value above calibration range but within annually verified linear range

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~~S Spike Recovery outside accepted recovery limits~~

Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Amie M. Davis*

DATE: 4/14/2011

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
 Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
 Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
 COMPANY: Conklin, Town of  
 ADDRESS: P.O. Box 182  
 Conklin, NY 13748

WO#: 11034454  
 PAGE: 40 of 44  
 PO#:

PHONE: (607) 775-4584  
 FAX: (607) 775-1434

**TEST REPORT**

PWS ID# Broome Co. DOH

Landfill-Baseline

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DATE: 03/31/2011 10:25

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1,1-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
cis-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
trans-1,3-Dichloropropene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Ethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Hexachlorobutadiene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Isopropylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
p-Isopropyltoluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Methylene chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
n-Propylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Styrene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2,2-Tetrachloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Tetrachloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Toluene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trichlorobenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,1-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,1,2-Trichloroethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichloroethene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Trichlorofluoromethane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,3-Trichloropropane	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,2,4-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
1,3,5-Trimethylbenzene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
Vinyl chloride	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA
o-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11 10:03	04/08/11	CTM-SA

REMARKS:

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- Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Carrie M. Davis*

DATE:

4/14/2011



LAB ID # 11216  
LAB ID # 11827

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 41 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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DATE: 03/31/2011 10:25

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Test	Result	Method	Concentration	Date	Time	Location	Analyst
m,p-Xylene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	04/08/11	CTM-SA
Naphthalene	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	04/08/11	CTM-SA
Methyl tert-butyl ether	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	04/08/11	CTM-SA
Xylenes, Total	< 0.0050 mg/L	EPA 8260B	0.0050	04/08/11	10:03	04/08/11	CTM-SA

SAMPLE: MW-1- Upgradient

Lab ID: 11034454-007B

Grab

SAMPLED BY: FC

Sample Time: 03/30/2011 11:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
Mercury	< 0.0002 mg/L	EPA 245.1	0.0002	04/03/11 14:30	04/03/11	RMD-CV
Aluminum	7.65 mg/L	EPA 200.7	0.050	04/02/11 9:15	04/05/11	GSR-CV
Antimony	< 0.020 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Arsenic	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Barium	0.078 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Beryllium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Boron	< 0.100 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	04/02/11 9:15	04/05/11	GSR-CV
Calcium	60.6 mg/L	EPA 200.7	0.100	04/02/11 9:15	04/05/11	GSR-CV
Chromium	0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Cobalt	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Copper	0.029 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Iron	14.2 mg/L	EPA 200.7	0.020	04/02/11 9:15	04/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Magnesium	19.6 mg/L	EPA 200.7	0.030	04/02/11 9:15	04/05/11	GSR-CV
Manganese	0.592 mg/L	EPA 200.7	0.002	04/02/11 9:15	04/05/11	GSR-CV
Nickel	0.012 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Potassium	2.85 mg/L	EPA 200.7	0.550	04/02/11 9:15	04/05/11	GSR-CV

REMARKS:

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L Value above calibration range but within annually verified linear range

MS Limit of detection increased due to matrix interference and spike recovery data

S Spike Recovery outside accepted recovery limits

Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cassie M. Davis*

DATE:

4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 42 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Element	Result	Method	Concentration	Time	Date	Analyst
Selenium	< 0.040 mg/L	EPA 200.7	0.040	04/02/11 9:15	04/05/11	GSR-CV
Silver	< 0.002 mg/L	EPA 200.7	0.002	04/02/11 9:15	04/05/11	GSR-CV
Sodium	23.6 mg/L	EPA 200.7	2.75	04/02/11 9:15	04/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	04/02/11 9:15	04/05/11	GSR-CV
Vanadium	0.011 mg/L	EPA 200.7	0.010	04/02/11 9:15	04/05/11	GSR-CV
Zinc	0.043 mg/L	EPA 200.7	0.005	04/02/11 9:15	04/05/11	GSR-CV
Hardness, Calculation	232 mg/L	EPA 200.7	0.373	04/02/11 9:15	04/05/11	GSR-CV

SAMPLE: MW-1- Upgradient  
SAMPLED BY: FC

Lab ID: 11034454-007C Grab

Sample Time: 03/30/2011 11:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	244 mg/L	SM2320B	2	03/31/11 9:00	03/31/11	MED-SA

SAMPLE: MW-1- Upgradient  
SAMPLED BY: FC

Lab ID: 11034454-007D Grab

Sample Time: 03/30/2011 11:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat	0.1	04/08/11 12:30	04/08/11	NFM-SA
Chemical Oxygen Demand	28 mg/L	HACH 8000	10	04/04/11 11:00	04/04/11	KMF-SA

SAMPLE: MW-1- Upgradient  
SAMPLED BY: FC

Lab ID: 11034454-007E Grab

Sample Time: 03/30/2011 11:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	03/31/11 8:00	04/05/11	NFM-SA
pH	7.44@21.6°C	K SM4500H+B		04/01/11 12:00	04/01/11	MED-SA

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MANAGER

*Amie M. Davis*

DATE: 4/14/2011

LAB ID # 11216  
LAB ID # 11827

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11034454

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 43 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Baseline

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-1- Upgradient Lab ID: 11034454-007F Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 11:00						
Bromide	< 0.05 mg/L	EPA 300.0	0.05	04/04/11 14:21	04/04/11	HDP-CV
SAMPLE: MW-1- Upgradient Lab ID: 11034454-007G Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 11:00						
Chloride	0.94 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
Sulfate	11.4 mg/L	EPA 300.0	0.25	04/06/11 14:31	04/07/11	HDP-CV
SAMPLE: MW-1- Upgradient Lab ID: 11034454-007H Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 11:00						
Total Dissolved Solids	303 mg/L	SM2540C	10	04/01/11 13:00	04/04/11	KDD-SA
SAMPLE: MW-1- Upgradient Lab ID: 11034454-007I Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 11:00						
Color	< 5 Pt Co	SM2120B	5	04/01/11 8:00	04/01/11	KMF-SA
Nitrate as N	0.15 mg/L	EPA 353.2	0.05	04/04/11 10:26	04/04/11	KMF-SA
SAMPLE: MW-1- Upgradient Lab ID: 11034454-007J Grab						
SAMPLED BY: FC Sample Time: 03/30/2011 11:00						
Cyanide (total)	< 0.010 mg/L	EPA 335.4	0.010	04/04/11 10:20	04/04/11	KAL-SA

REMARKS:

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K Sample was received past holding time.

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MS Limit of detection increased due to matrix interference and spike recovery data

S Spike Recovery outside accepted recovery limits

Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Amie M. Davis*

DATE: 4/14/2011

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11034454

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11034454

PAGE: 44 of 44

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Baseline

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DATE: 03/31/2011 10:25

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SAMPLE: **MW-1- Upgradient**  
SAMPLED BY: FC

Lab ID: 11034454-007K Grab  
Sample Time: 03/30/2011 11:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Hexavalent Chromium	< 0.01 mg/L	SM3500CrB	0.01	04/01/11 9:00	04/01/11	SG-SA

SAMPLE: **MW-1- Upgradient**  
SAMPLED BY: FC

Lab ID: 11034454-007L Grab  
Sample Time: 03/30/2011 11:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	0.029 mg/L	EPA 420.4	0.025	03/31/11 3:37	03/31/11	KMF-SA

SAMPLE: **MW-1- Upgradient**  
SAMPLED BY: FC

Lab ID: 11034454-007M Grab  
Sample Time: 03/30/2011 11:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat	1.0	04/05/11 10:33	04/05/11	KAL-SA

SAMPLE: **MW-1- Upgradient**  
SAMPLED BY: FC

Lab ID: 11034454-007N Grab  
Sample Time: 03/30/2011 11:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	03/31/11 12:00	04/01/11	MED-SA

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- S Spike Recovery outside accepted recovery limits
- Z Due to matrix bias, spike recovery was outside acceptance limits

MANAGER

*Cari M. Davis*

DATE: 4/14/2011

**BENCHMARK ANALYTICS, INC.**  
**Eastern Division**

2566 Pennsylvania Ave.  
 Sayre, PA 18840

Work Order: 11065320

Phone: (570) 888-0169  
 Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
 COMPANY: Conklin, Town of  
 ADDRESS: P.O. Box 182  
 Conklin, NY 13748

WO#: 11065320  
 PAGE: 1 of 19  
 PO#:  
 PWS ID# Broome Co. DOH

**TEST REPORT**

PHONE: (607) 775-4584  
 FAX: (607) 775-1434

Landfill-Routine

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DATE: 06/30/2011 8:56

Page 1 of 19

SAMPLE: **MW-3** Lab ID: 11065320-001  
 SAMPLED BY: FC

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	6.14	Field Parameters				
Temperature, sampled	13.8 deg C	Field Parameters				

SAMPLE: **MW-3** Lab ID: 11065320-001A Grab  
 SAMPLED BY: FC Sample Time: 06/29/2011 15:25

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	126 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA

SAMPLE: **MW-3** Lab ID: 11065320-001B Grab  
 SAMPLED BY: FC Sample Time: 06/29/2011 15:25

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	69 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA

SAMPLE: **MW-3** Lab ID: 11065320-001C Grab  
 SAMPLED BY: FC Sample Time: 06/29/2011 15:25

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	Y SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	6.68@22.3°C	K SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA

REMARKS:

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- K Sample was received past holding time.
- L Value above calibration range but within annually verified linear range
- S Spike Recovery outside accepted recovery limits
- Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Candice M. Davis*

DATE: 7/15/2011

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11065320

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320

PAGE: 2 of 19

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Routine

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DATE: 06/30/2011 8:56

Page 2 of 19

SAMPLE: **MW-3** Lab ID: 11065320-001D Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:25

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	12.1 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	11.5 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	0.09 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

SAMPLE: **MW-3** Lab ID: 11065320-001E Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:25

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.06 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	172 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

SAMPLE: **MW-3** Lab ID: 11065320-001F Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:25

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/03/11 12:05	07/08/11	RMD-CV
Calcium	38.8 mg/L	EPA 200.7	0.100	07/03/11 12:05	07/08/11	RMD-CV
Iron	36.9 mg/L	EPA 200.7	0.020	07/03/11 12:05	07/08/11	RMD-CV
Lead	0.012 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV
Magnesium	14.4 mg/L	EPA 200.7	0.030	07/03/11 12:05	07/08/11	RMD-CV
Manganese	0.631 mg/L	EPA 200.7	0.002	07/03/11 12:05	07/08/11	RMD-CV
Potassium	1.98 mg/L	EPA 200.7	0.550	07/03/11 12:05	07/08/11	RMD-CV
Sodium	12.1 mg/L	EPA 200.7	0.550	07/03/11 12:05	07/08/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/03/11 12:05	07/08/11	RMD-CV
Vanadium	0.021 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV

REMARKS:

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- Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Cami M. Davis*

DATE: 7/15/2011

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840  
Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11065320

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320

PAGE: 3 of 19

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Routine

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Zinc	0.105 mg/L	EPA 200.7	0.005	07/03/11 12:05	07/08/11	RMD-CV
Hardness, Calculation	156 mg/L	EPA 200.7	0.373	07/03/11 12:05	07/08/11	RMD-CV

SAMPLE: **MW-3** Lab ID: 11065320-001G Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:25

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	1.2 mg/L	Lachat 10-107-06-2-D	1.0	07/01/11 10:42	07/01/11	KAL-SA

SAMPLE: **MW-3** Lab ID: 11065320-001H Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:25

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA

SAMPLE: **MW-3** Lab ID: 11065320-001I Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:25

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Total Organic Carbon	1.7 mg/L	SM5310C	0.5	07/05/11 12:31	07/05/11	KAL-SA

SAMPLE: **MW-12** Lab ID: 11065320-002  
SAMPLED BY: FC

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
pH	6.58	Field Parameters				
Temperature, sampled	11.6 deg C	Field Parameters				

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MANAGER

*Cami M. Davis*

DATE: 7/15/2011

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11065320

Phone: (570) 888-0169  
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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320  
PAGE: 4 of 19  
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## TEST REPORT

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SAMPLE: MW-12		Lab ID: 11065320-002A	Grab			
SAMPLED BY: FC		Sample Time: 06/29/2011 14:20				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	126 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA
SAMPLE: MW-12		Lab ID: 11065320-002B	Grab			
SAMPLED BY: FC		Sample Time: 06/29/2011 14:20				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	34 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA
SAMPLE: MW-12		Lab ID: 11065320-002C	Grab			
SAMPLED BY: FC		Sample Time: 06/29/2011 14:20				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	Y SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	6.50@22.0°C	K SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA
SAMPLE: MW-12		Lab ID: 11065320-002D	Grab			
SAMPLED BY: FC		Sample Time: 06/29/2011 14:20				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	8.37 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	14.2 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	0.41 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

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- Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Cari M. Davis*

DATE: 7/15/2011



# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11065320

Phone: (570) 888-0169  
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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320  
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PHONE: (607) 775-4584  
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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-12 Lab ID: 11065320-002E Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 14:20						
Nitrate as N	0.07 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	100 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-12 Lab ID: 11065320-002F Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 14:20						
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/03/11 12:05	07/08/11	RMD-CV
Calcium	33.0 mg/L	EPA 200.7	0.050	07/03/11 12:05	07/08/11	RMD-CV
Iron	13.6 mg/L	EPA 200.7	0.005	07/03/11 12:05	07/08/11	RMD-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV
Magnesium	12.1 mg/L	EPA 200.7	0.025	07/03/11 12:05	07/08/11	RMD-CV
Manganese	2.45 mg/L	EPA 200.7	0.002	07/03/11 12:05	07/08/11	RMD-CV
Potassium	1.32 mg/L	EPA 200.7	0.500	07/03/11 12:05	07/08/11	RMD-CV
Sodium	11.0 mg/L	EPA 200.7	0.550	07/03/11 12:05	07/08/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/03/11 12:05	07/08/11	RMD-CV
Vanadium	0.007 mg/L	EPA 200.7	0.005	07/03/11 12:05	07/08/11	RMD-CV
Zinc	0.036 mg/L	EPA 200.7	0.005	07/03/11 12:05	07/08/11	RMD-CV
Hardness, Calculation	133 mg/L	EPA 200.7	0.373	07/03/11 12:05	07/08/11	RMD-CV

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-12 Lab ID: 11065320-002G Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 14:20						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat 10-107-06-2-D	1.0	07/01/11 10:42	07/01/11	KAL-SA

REMARKS:

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MANAGER Cassie M. Davis

DATE: 7/15/2011

# Benchmark Analytics, Inc. Eastern Division

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Sayre, PA 18840

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

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## TEST REPORT

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: <b>MW-12</b> Lab ID: 11065320-002H Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 14:20						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA
SAMPLE: <b>MW-12</b> Lab ID: 11065320-002I Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 14:20						
Total Organic Carbon	1.5 mg/L	SM5310C	0.5	07/05/11 12:31	07/05/11	KAL-SA
SAMPLE: <b>MW-4</b> Lab ID: 11065320-003						
SAMPLED BY: FC						
pH	6.72	Field Parameters				
Temperature, sampled	15.5 deg C	Field Parameters				
SAMPLE: <b>MW-4</b> Lab ID: 11065320-003A Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 13:55						
Alkalinity as CaCO3	104 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA
SAMPLE: <b>MW-4</b> Lab ID: 11065320-003B Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 13:55						
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	17 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA

REMARKS:

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MANAGER

*Carrie M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11065320

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NAME: Tom Delamarter  
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Conklin, NY 13748

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**TEST REPORT**

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SAMPLE: **MW-4** Lab ID: 11065320-003C Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 13:55

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	Y SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	6.76@22.0°C	K SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA

SAMPLE: **MW-4** Lab ID: 11065320-003D Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 13:55

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	17.7 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	11.1 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

SAMPLE: **MW-4** Lab ID: 11065320-003E Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 13:55

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.15 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	146 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

SAMPLE: **MW-4** Lab ID: 11065320-003F Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 13:55

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/03/11 12:05	07/08/11	RMD-CV
Calcium	30.3 mg/L	EPA 200.7	0.100	07/03/11 12:05	07/08/11	RMD-CV
Iron	4.61 mg/L	EPA 200.7	0.020	07/03/11 12:05	07/08/11	RMD-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV

REMARKS:

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S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Cami M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
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Work Order: 11065320

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320  
PAGE: 8 of 19  
PO#:  
PWS ID# Broome Co. DOH

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## TEST REPORT

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Test	Result	Method	Concentration	Time	Date	Analyst
Magnesium	9.31 mg/L	EPA 200.7	0.030	07/03/11 12:05	07/08/11	RMD-CV
Manganese	1.11 mg/L L	EPA 200.7	0.002	07/03/11 12:05	07/08/11	RMD-CV
Potassium	1.11 mg/L	EPA 200.7	0.550	07/03/11 12:05	07/08/11	RMD-CV
Sodium	6.10 mg/L	EPA 200.7	0.550	07/03/11 12:05	07/08/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/03/11 12:05	07/08/11	RMD-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV
Zinc	0.022 mg/L	EPA 200.7	0.005	07/03/11 12:05	07/08/11	RMD-CV
Hardness, Calculation	114 mg/L	EPA 200.7	0.373	07/03/11 12:05	07/08/11	RMD-CV

SAMPLE: MW-4

Lab ID: 11065320-003G Grab

SAMPLED BY: FC

Sample Time: 06/29/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat 10-107-06-2-D	1.0	07/01/11 10:42	07/01/11	KAL-SA

SAMPLE: MW-4

Lab ID: 11065320-003H Grab

SAMPLED BY: FC

Sample Time: 06/29/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA

SAMPLE: MW-4

Lab ID: 11065320-003I Grab

SAMPLED BY: FC

Sample Time: 06/29/2011 13:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	0.5 mg/L	SM5310C	0.5	07/05/11 12:31	07/05/11	KAL-SA

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MANAGER

*Candice M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169

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Work Order: 11065320

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320

PAGE: 9 of 19

PO#:

PWS ID# Broome Co. DOH

## TEST REPORT

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Landfill-Routine

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SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	7.14	Field Parameters				
Temperature, sampled	12.2 deg C	Field Parameters				

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004A

Grab

Sample Time: 06/29/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	134 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004B

Grab

Sample Time: 06/29/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	S Lachat 10-107-06-1B	0.1	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	< 10 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004C

Grab

Sample Time: 06/29/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	Y SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	7.75@22.2°C	K SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA

REMARKS:

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MANAGER

*Cami M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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Sayre, PA 18840

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Work Order: 11065320

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COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

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SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004D Grab

Sample Time: 06/29/2011 14:45

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	1.32 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	11.1 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004E Grab

Sample Time: 06/29/2011 14:45

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.10 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	226 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004F Grab

Sample Time: 06/29/2011 14:45

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/03/11 12:05	07/08/11	RMD-CV
Calcium	56.8 mg/L	EPA 200.7	0.100	07/03/11 12:05	07/08/11	RMD-CV
Iron	0.170 mg/L	EPA 200.7	0.020	07/03/11 12:05	07/08/11	RMD-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV
Magnesium	19.8 mg/L	EPA 200.7	0.030	07/03/11 12:05	07/08/11	RMD-CV
Manganese	0.067 mg/L	EPA 200.7	0.002	07/03/11 12:05	07/08/11	RMD-CV
Potassium	1.95 mg/L	EPA 200.7	0.550	07/03/11 12:05	07/08/11	RMD-CV
Sodium	24.1 mg/L	EPA 200.7	2.75	07/03/11 12:05	07/08/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/03/11 12:05	07/08/11	RMD-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	07/03/11 12:05	07/08/11	RMD-CV

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L Value above calibration range but within annually verified linear range

S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Amie M. Davis*

DATE: 7/15/2011

LAB ID # 11210 SA  
LAB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11065320

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320  
PAGE: 11 of 19  
PO#:  
PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

Landfill-Routine

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Test	Result	Method	Conc	Analysis Start	Analysis End	Analyst *
Zinc	0.014 mg/L	EPA 200.7	0.005	07/03/11 12:05	07/08/11	RMD-CV
Hardness, Calculation	223 mg/L	EPA 200.7	0.373	07/03/11 12:05	07/08/11	RMD-CV

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004G Grab

Sample Time: 06/29/2011 14:45

SLOQ

Test	Result	Method	Conc	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat 10-107-06-2-D	1.0	07/11/11 8:00	07/11/11	MED-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004H Grab

Sample Time: 06/29/2011 14:45

SLOQ

Test	Result	Method	Conc	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11065320-004I Grab

Sample Time: 06/29/2011 14:45

SLOQ

Test	Result	Method	Conc	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	0.5 mg/L	SM5310C	0.5	07/05/11 12:31	07/05/11	KAL-SA

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11065320-005

SLOQ

Test	Result	Method	Conc	Analysis Start	Analysis End	Analyst *
pH	6.61	Field Parameters				
Temperature, sampled	17.3 deg C	Field Parameters				

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MANAGER

*Carrie M. Davis*

DATE: 7/15/2011

LAB ID # 11210 \*SA  
LAB ID # 11827 \*CV

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## TEST REPORT

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: <b>SW-Carlin</b> Lab ID: 11065320-005A Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:50						
Alkalinity as CaCO3	66 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA
SAMPLE: <b>SW-Carlin</b> Lab ID: 11065320-005B Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:50						
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	< 10 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA
SAMPLE: <b>SW-Carlin</b> Lab ID: 11065320-005C Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:50						
BOD	< 6 mg/L	Y SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	6.79@22.4°C	K SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA
SAMPLE: <b>SW-Carlin</b> Lab ID: 11065320-005D Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:50						
Chloride	31.4 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	8.24 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

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MANAGER

*Cassie M. Davis*

DATE: 7/15/2011



LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11065320-005E Grab

Sample Time: 06/29/2011 12:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	90 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11065320-005F Grab

Sample Time: 06/29/2011 12:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/07/11 15:40	07/11/11	JRA-CV
Calcium	13.6 mg/L	EPA 200.7	0.050	07/07/11 15:40	07/13/11	GSR-CV
Iron	0.715 mg/L	EPA 200.7	0.005	07/07/11 15:40	07/13/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	07/07/11 15:40	07/11/11	JRA-CV
Magnesium	3.49 mg/L	EPA 200.7	0.030	07/07/11 15:40	07/11/11	JRA-CV
Manganese	0.085 mg/L	EPA 200.7	0.002	07/07/11 15:40	07/11/11	JRA-CV
Potassium	2.72 mg/L	EPA 200.7	0.500	07/07/11 15:40	07/13/11	GSR-CV
Sodium	20.2 mg/L	EPA 200.7	0.550	07/07/11 15:40	07/11/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/07/11 15:40	07/11/11	JRA-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	07/07/11 15:40	07/11/11	JRA-CV
Zinc	0.007 mg/L	EPA 200.7	0.005	07/07/11 15:40	07/11/11	JRA-CV
Hardness, Calculation	48.4 mg/L	EPA 200.7	0.125	07/07/11 15:40	07/13/11	GSR-CV

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11065320-005G Grab

Sample Time: 06/29/2011 12:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat 10-107-06-2-D	1.0	07/11/11 8:00	07/11/11	MED-SA

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MANAGER

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DATE: 7/15/2011

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SAMPLE: **SW-Carlin** Lab ID: 11065320-005H Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 12:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA

SAMPLE: **SW-Carlin** Lab ID: 11065320-005I Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 12:50

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	3.3 mg/L	SM5310C	0.5	07/05/11 12:31	07/05/11	KAL-SA

SAMPLE: **MW-38D** Lab ID: 11065320-006 Grab  
SAMPLED BY: FC

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	7.60	Field Parameters				
Temperature, sampled	14.1 deg C	Field Parameters				

SAMPLE: **MW-38D** Lab ID: 11065320-006A Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:05

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	188 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA

SAMPLE: **MW-38D** Lab ID: 11065320-006B Grab  
SAMPLED BY: FC Sample Time: 06/29/2011 15:05

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	17.1 mg/L	Lachat 10-107-06-1B	1.0	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	37 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA

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MANAGER

*Carrie M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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## TEST REPORT

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	8.02@22.4°C	SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	11.4 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	7.87 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	0.13 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.17 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	186 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/07/11 15:40	07/11/11	JRA-CV
Calcium	35.6 mg/L	EPA 200.7	0.100	07/07/11 15:40	07/11/11	JRA-CV
Iron	12.8 mg/L	EPA 200.7	0.020	07/07/11 15:40	07/11/11	JRA-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	07/07/11 15:40	07/11/11	JRA-CV

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## TEST REPORT

Landfill-Routine

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Component	Concentration	Method	Result	Time	Date	Analyst
Magnesium	9.46 mg/L	EPA 200.7	0.030	07/07/11 15:40	07/11/11	JRA-CV
Manganese	0.367 mg/L	EPA 200.7	0.002	07/07/11 15:40	07/11/11	JRA-CV
Potassium	2.47 mg/L	EPA 200.7	0.550	07/07/11 15:40	07/13/11	GSR-CV
Sodium	32.7 mg/L	EPA 200.7	0.550	07/07/11 15:40	07/11/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/07/11 15:40	07/11/11	JRA-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	07/07/11 15:40	07/11/11	JRA-CV
Zinc	0.035 mg/L	EPA 200.7	0.005	07/07/11 15:40	07/11/11	JRA-CV
Hardness, Calculation	128 mg/L	EPA 200.7	0.373	07/07/11 15:40	07/11/11	JRA-CV

SAMPLE: MW-38D

Lab ID: 11065320-006G Grab

SAMPLED BY: FC

Sample Time: 06/29/2011 15:05

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat 10-107-06-2-D	1.0	07/11/11 8:00	07/11/11	MED-SA

SAMPLE: MW-38D

Lab ID: 11065320-006H Grab

SAMPLED BY: FC

Sample Time: 06/29/2011 15:05

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	0.026 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA

SAMPLE: MW-38D

Lab ID: 11065320-006I Grab

SAMPLED BY: FC

Sample Time: 06/29/2011 15:05

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	07/05/11 12:31	07/05/11	KAL-SA

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MANAGER

*Cassie M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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SAMPLE: MW-37

Lab ID: 11065320-007

SAMPLED BY: FC

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	7.40	Field Parameters				
Temperature, sampled	15.3 deg C	Field Parameters				

SAMPLE: MW-37

Lab ID: 11065320-007A

SAMPLED BY: FC

Sample Time: 06/29/2011 12:30

Grab

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	142 mg/L	SM2320B	2	06/30/11 10:00	06/30/11	NFM-SA

SAMPLE: MW-37

Lab ID: 11065320-007B

SAMPLED BY: FC

Sample Time: 06/29/2011 12:30

Grab

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	06/30/11 14:00	07/01/11	KDD-SA
Chemical Oxygen Demand	12 mg/L	HACH 8000	10	06/30/11 9:30	06/30/11	MED-SA

SAMPLE: MW-37

Lab ID: 11065320-007C

SAMPLED BY: FC

Sample Time: 06/29/2011 12:30

Grab

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	Y SM5210B	6	06/30/11 7:00	07/05/11	JP-SA
pH	7.76@22.3°C	K SM4500H+B		06/30/11 14:06	06/30/11	JLE-SA

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	12.6 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Sulfate	13.8 mg/L	EPA 300.0	0.25	07/06/11 16:15	07/07/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	07/06/11 12:15	07/06/11	HDP-CV

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.17 mg/L	EPA 353.2	0.05	06/30/11 8:00	06/30/11	SG-SA
Total Dissolved Solids	172 mg/L	SM2540C	10	07/05/11 13:00	07/06/11	JLE-SA

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	07/07/11 15:40	07/11/11	JRA-CV
Calcium	42.0 mg/L	EPA 200.7	0.100	07/07/11 15:40	07/11/11	JRA-CV
Iron	0.521 mg/L	EPA 200.7	0.020	07/07/11 15:40	07/11/11	JRA-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	07/07/11 15:40	07/11/11	JRA-CV
Magnesium	5.95 mg/L	EPA 200.7	0.030	07/07/11 15:40	07/11/11	JRA-CV
Manganese	0.017 mg/L	EPA 200.7	0.002	07/07/11 15:40	07/11/11	JRA-CV
Potassium	8.09 mg/L	EPA 200.7	0.550	07/07/11 15:40	07/13/11	GSR-CV
Sodium	9.56 mg/L	EPA 200.7	0.550	07/07/11 15:40	07/11/11	JRA-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	07/07/11 15:40	07/11/11	JRA-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	07/07/11 15:40	07/11/11	JRA-CV

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S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Carrie M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11065320

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11065320

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PO#:

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**TEST REPORT**

Landfill-Routine

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Zinc	0.015 mg/L	EPA 200.7	0.005	07/07/11 15:40	07/11/11	JRA-CV
Hardness, Calculation	130 mg/L	EPA 200.7	0.373	07/07/11 15:40	07/11/11	JRA-CV
SAMPLE: <b>MW-37</b> Lab ID: 11065320-007G Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:30						
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Kjeldahl Nitrogen	< 1.0 mg/L	Lachat 10-107-06-2-D	1.0	07/11/11 8:00	07/11/11	MED-SA
SAMPLE: <b>MW-37</b> Lab ID: 11065320-007H Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:30						
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Phenol	< 0.025 mg/L	EPA 420.4	0.025	07/05/11 11:36	07/05/11	JLE-SA
SAMPLE: <b>MW-37</b> Lab ID: 11065320-007I Grab						
SAMPLED BY: FC Sample Time: 06/29/2011 12:30						
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Organic Carbon	4.8 mg/L	SM5310C	0.5	07/11/11 17:09	07/11/11	KAL-SA

REMARKS:

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MANAGER

*Carmie M. Davis*

DATE: 7/15/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

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## TEST REPORT

Landfill-Routine

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SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	7.00	Field Parameters				
Temperature, sampled	13.7 deg C	Field Parameters				

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001A

Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	258 mg/L	SM2320B	2	09/01/11 14:00	09/01/11	IC-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001B

Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	09/08/11 14:00	09/08/11	KDD-SA
Chemical Oxygen Demand	< 10 mg/L	HACH 8000	10	09/07/11 9:45	09/07/11	KED-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001C

Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	09/01/11 10:00	09/06/11	KAL-SA
pH	7.68@24.1°C	K SM4500H+B		09/01/11 14:00	09/01/11	MED-SA

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MANAGER

*Cassie M. Davis*

DATE: 9/19/2011



LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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## TEST REPORT

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Landfill-Routine

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Page 2 of 17

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001D Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	1.52 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Sulfate	10.3 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	09/06/11 16:28	09/06/11	HDP-CV

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001E Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.08 mg/L	EPA 353.2	0.05	09/02/11 8:00	09/02/11	SG-SA
Total Dissolved Solids	244 mg/L	SM2540C	10	09/02/11 15:30	09/06/11	KED-SA

Sample Note: High CCV for Nitrate, result may be biased high.

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001F Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	09/06/11 10:00	09/07/11	GSR-CV
Calcium	61.0 mg/L	EPA 200.7	0.100	09/06/11 10:00	09/07/11	GSR-CV
Iron	0.066 mg/L	EPA 200.7	0.020	09/06/11 10:00	09/07/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	09/06/11 10:00	09/07/11	GSR-CV
Magnesium	19.0 mg/L	EPA 200.7	0.030	09/06/11 10:00	09/07/11	GSR-CV
Manganese	0.251 mg/L	EPA 200.7	0.002	09/06/11 10:00	09/07/11	GSR-CV
Potassium	1.66 mg/L	EPA 200.7	0.550	09/06/11 10:00	09/07/11	GSR-CV
Sodium	21.5 mg/L	EPA 200.7	2.75	09/06/11 10:00	09/08/11	GSR-CV

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MANAGER

*Cassie M. Davis*

DATE: 9/19/2011

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LAB ID # 11827 \*CV

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Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
Thallium	< 0.025 mg/L	EPA 200.7	0.025	09/06/11 10:00	09/07/11	GSR-CV
Vanadium	< 0.010 mg/L	EPA 200.7	0.010	09/06/11 10:00	09/07/11	GSR-CV
Zinc	< 0.005 mg/L	EPA 200.7	0.005	09/06/11 10:00	09/07/11	GSR-CV
Hardness, Calculation	230 mg/L	EPA 200.7	0.373	09/06/11 10:00	09/07/11	GSR-CV

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001G Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	09/07/11 10:22	09/07/11	JLE-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001H Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst
Phenol	< 0.025 mg/L	EPA 420.4	0.025	09/06/11 14:00	09/06/11	KDD-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11090054-001I Grab

Sample Time: 08/31/2011 11:15

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst
Total Organic Carbon	0.6 mg/L	SM5310C	0.5	09/06/11 15:18	09/06/11	NFM-SA

SAMPLE: **MW-3**  
SAMPLED BY: FC

Lab ID: 11090054-002

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst
pH	5.89	Field Parameters				
Temperature, sampled	19.3 deg C	Field Parameters				

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MANAGER

*Cassie M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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**Eastern Division**

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NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
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**TEST REPORT**

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-3 Lab ID: 11090054-002A Grab						
SAMPLED BY: FC Sample Time: 08/31/2011 12:40						
Alkalinity as CaCO3	128 mg/L	SM2320B	2	09/01/11 14:00	09/01/11	IC-SA
SAMPLE: MW-3 Lab ID: 11090054-002B Grab						
SAMPLED BY: FC Sample Time: 08/31/2011 12:40						
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	09/08/11 14:00	09/08/11	KDD-SA
Chemical Oxygen Demand	91 mg/L	HACH 8000	10	09/07/11 9:45	09/07/11	KED-SA
SAMPLE: MW-3 Lab ID: 11090054-002C Grab						
SAMPLED BY: FC Sample Time: 08/31/2011 12:40						
BOD	< 6 mg/L	SM5210B	6	09/01/11 10:00	09/06/11	KAL-SA
pH	6.46@24.0°C	K SM4500H+B		09/01/11 14:00	09/01/11	MED-SA
SAMPLE: MW-3 Lab ID: 11090054-002D Grab						
SAMPLED BY: FC Sample Time: 08/31/2011 12:40						
Chloride	10.2 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Sulfate	11.6 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Bromide	0.08 mg/L	EPA 300.0	0.05	09/06/11 16:28	09/06/11	HDP-CV

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MANAGER

*Cami M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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**Eastern Division**

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Work Order: 11090054

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NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11090054

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PWS ID# Broome Co. DOH

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**TEST REPORT**

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SAMPLE: **MW-3** Lab ID: 11090054-002E Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 12:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.07 mg/L	EPA 353.2	0.05	09/02/11 8:00	09/02/11	SG-SA
Total Dissolved Solids	196 mg/L	SM2540C	10	09/02/11 15:30	09/06/11	KED-SA

Sample Note: High CCV for Nitrate, result may be biased high.

SAMPLE: **MW-3** Lab ID: 11090054-002F Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 12:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	0.002 mg/L	EPA 200.7	0.001	09/06/11 10:00	09/07/11	GSR-CV
Calcium	49.0 mg/L	EPA 200.7	0.100	09/06/11 10:00	09/07/11	GSR-CV
Iron	182 mg/L	EPA 200.7	0.020	09/06/11 10:00	09/07/11	GSR-CV
Lead	0.082 mg/L	EPA 200.7	0.010	09/06/11 10:00	09/07/11	GSR-CV
Magnesium	38.2 mg/L	EPA 200.7	0.030	09/06/11 10:00	09/07/11	GSR-CV
Manganese	2.10 mg/L	EPA 200.7	0.010	09/06/11 10:00	09/09/11	GSR-CV
Potassium	5.35 mg/L	EPA 200.7	0.550	09/06/11 10:00	09/07/11	GSR-CV
Sodium	11.1 mg/L	EPA 200.7	0.550	09/06/11 10:00	09/07/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	09/06/11 10:00	09/07/11	GSR-CV
Vanadium	0.098 mg/L	EPA 200.7	0.010	09/06/11 10:00	09/07/11	GSR-CV
Zinc	0.446 mg/L	EPA 200.7	0.005	09/06/11 10:00	09/07/11	GSR-CV
Hardness, Calculation	279 mg/L	EPA 200.7	0.373	09/06/11 10:00	09/07/11	GSR-CV

REMARKS:

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MANAGER

*Craig M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
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## TEST REPORT

Landfill-Routine

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SAMPLE: MW-3

Lab ID: 11090054-002G Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 12:40

SLOQ

Test	Result	Method	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	1.7 mg/L	Y Lachat 10-107-06-2-D	09/07/11 10:22	09/07/11	JLE-SA

SAMPLE: MW-3

Lab ID: 11090054-002H Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 12:40

SLOQ

Test	Result	Method	Analysis Start	Analysis End	Analyst *
Phenol	0.138 mg/L	EPA 420.4	09/06/11 14:00	09/06/11	KDD-SA

SAMPLE: MW-3

Lab ID: 11090054-002I Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 12:40

SLOQ

Test	Result	Method	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	1.6 mg/L	SM5310C	09/06/11 15:18	09/06/11	NFM-SA

SAMPLE: MW-4

Lab ID: 11090054-003

SAMPLED BY: FC

SLOQ

Test	Result	Method	Analysis Start	Analysis End	Analyst *
pH	6.77	Field Parameters			
Temperature, sampled	20.1 deg C	Field Parameters			

SAMPLE: MW-4

Lab ID: 11090054-003A Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 11:30

SLOQ

Test	Result	Method	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	102 mg/L	SM2320B	09/01/11 14:00	09/01/11	IC-SA

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MANAGER

*Carrie M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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SAMPLE: **MW-4** Lab ID: 11090054-003B Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	09/08/11 14:00	09/08/11	KDD-SA
Chemical Oxygen Demand	33 mg/L	HACH 8000	10	09/07/11 9:45	09/07/11	KED-SA

SAMPLE: **MW-4** Lab ID: 11090054-003C Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	09/01/11 10:00	09/06/11	KAL-SA
pH	7.01@24.°C	K SM4500H+B		09/01/11 14:00	09/01/11	MED-SA

SAMPLE: **MW-4** Lab ID: 11090054-003D Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	15.7 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Sulfate	9.82 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	09/06/11 16:28	09/06/11	HDP-CV

SAMPLE: **MW-4** Lab ID: 11090054-003E Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.22 mg/L	EPA 353.2	0.05	09/02/11 8:00	09/02/11	SG-SA
Total Dissolved Solids	138 mg/L	SM2540C	10	09/02/11 15:30	09/06/11	KED-SA

Sample Note: High CCV for Nitrate, result may be biased high.

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MANAGER

*Cami M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
Fax: (570) 888-0717

Work Order: 11090054

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11090054

PAGE: 8 of 17

PO#:

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

PWS ID# Broome Co. DOH

Landfill-Routine

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SAMPLE: MW-4

Lab ID: 11090054-003F Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	09/07/11 14:00	09/09/11	GSR-CV
Calcium	33.0 mg/L	EPA 200.7	0.100	09/07/11 14:00	09/09/11	GSR-CV
Iron	17.4 mg/L	EPA 200.7	0.020	09/07/11 14:00	09/09/11	GSR-CV
Lead	0.020 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/09/11	GSR-CV
Magnesium	10.9 mg/L	EPA 200.7	0.030	09/07/11 14:00	09/09/11	GSR-CV
Manganese	3.16 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/12/11	GSR-CV
Potassium	2.75 mg/L	EPA 200.7	0.550	09/07/11 14:00	09/09/11	GSR-CV
Sodium	6.39 mg/L	EPA 200.7	0.550	09/07/11 14:00	09/09/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	09/07/11 14:00	09/09/11	GSR-CV
Vanadium	0.012 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/09/11	GSR-CV
Zinc	0.044 mg/L	EPA 200.7	0.005	09/07/11 14:00	09/09/11	GSR-CV
Hardness, Calculation	127 mg/L	EPA 200.7	0.373	09/07/11 14:00	09/09/11	GSR-CV

SAMPLE: MW-4

Lab ID: 11090054-003G Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	09/07/11 10:22	09/07/11	JLE-SA

SAMPLE: MW-4

Lab ID: 11090054-003H Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 11:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	0.034 mg/L	EPA 420.4	0.025	09/06/11 14:00	09/06/11	KDD-SA

REMARKS:

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MANAGER

*Cassie M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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Landfill-Routine

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SAMPLE: MW-4

Lab ID: 11090054-003I

Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 11:30

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	09/06/11 15:18	09/06/11	NFM-SA

SAMPLE: MW-12

Lab ID: 11090054-004

SAMPLED BY: FC

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
pH	5.24	Field Parameters				
Temperature, sampled	15.6 deg C	Field Parameters				

SAMPLE: MW-12

Lab ID: 11090054-004A

Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 15:00

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	80 mg/L	SM2320B	2	09/01/11 14:00	09/01/11	IC-SA

SAMPLE: MW-12

Lab ID: 11090054-004B

Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 15:00

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	09/08/11 14:00	09/08/11	KDD-SA
Chemical Oxygen Demand	45 mg/L	HACH 8000	10	09/07/11 9:45	09/07/11	KED-SA

SAMPLE: MW-12

Lab ID: 11090054-004C

Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 15:00

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	09/01/11 10:00	09/06/11	KAL-SA

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MANAGER

*Carrie M. Davis*

DATE: 9/19/2011



LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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Landfill-Routine

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pH 6.22@25.0°C K SM4500H+B 09/01/11 14:00 09/01/11 MED-SA

SAMPLE: MW-12 Lab ID: 11090054-004D Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 15:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	10.3 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Sulfate	13.1 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Bromide	0.14 mg/L	EPA 300.0	0.05	09/06/11 16:28	09/06/11	HDP-CV

SAMPLE: MW-12 Lab ID: 11090054-004E Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 15:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.06 mg/L	EPA 353.2	0.05	09/02/11 8:00	09/02/11	SG-SA
Total Dissolved Solids	152 mg/L	SM2540C	10	09/02/11 15:30	09/06/11	KED-SA

Sample Note: High CCV for Nitrate, result may be biased high.

SAMPLE: MW-12 Lab ID: 11090054-004F Grab  
SAMPLED BY: FC Sample Time: 08/31/2011 15:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	09/07/11 14:00	09/08/11	GSR-CV
Calcium	25.2 mg/L	EPA 200.7	0.100	09/07/11 14:00	09/08/11	GSR-CV
Iron	17.1 mg/L	EPA 200.7	0.020	09/07/11 14:00	09/08/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/08/11	GSR-CV
Magnesium	9.17 mg/L	EPA 200.7	0.030	09/07/11 14:00	09/08/11	GSR-CV
Manganese	3.01 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/09/11	GSR-CV
Potassium	1.85 mg/L	EPA 200.7	0.550	09/07/11 14:00	09/08/11	GSR-CV

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MANAGER

*Carrie M. Davis*

DATE: 9/19/2011

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LAB ID # 11827 \*CV

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## TEST REPORT

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Landfill-Routine

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Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
Sodium	8.22 mg/L	EPA 200.7	0.550	09/07/11 14:00	09/08/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	09/07/11 14:00	09/08/11	GSR-CV
Vanadium	0.011 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/08/11	GSR-CV
Zinc	0.037 mg/L	EPA 200.7	0.025	09/07/11 14:00	09/09/11	GSR-CV
Hardness, Calculation	101 mg/L	EPA 200.7	0.373	09/07/11 14:00	09/08/11	GSR-CV

SAMPLE: MW-12

Lab ID: 11090054-004G Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 15:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	09/07/11 10:22	09/07/11	JLE-SA

SAMPLE: MW-12

Lab ID: 11090054-004H Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 15:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
Phenol	< 0.025 mg/L	S EPA 420.4	0.025	09/06/11 14:00	09/06/11	KDD-SA

SAMPLE: MW-12

Lab ID: 11090054-004I Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 15:00

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
Total Organic Carbon	1.2 mg/L	SM5310C	0.5	09/06/11 15:18	09/06/11	NFM-SA

SAMPLE: MW-38D

Lab ID: 11090054-006

SAMPLED BY: FC

SLOQ

Test	Result	Method	Concentration	Analysis Start	Analysis End	Analyst
pH	7.78	Field Parameters				
Temperature, sampled	19.1 deg C	Field Parameters				

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MANAGER

*Cassie M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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2566 Pennsylvania Ave.  
Sayre, PA 18840

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Phone: (570) 888-0169

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11090054

PAGE: 12 of 17

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
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## TEST REPORT

Landfill-Routine

RECEIVED FOR LAB BY: SCP

DATE: 09/01/2011 9:33

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SAMPLE: MW-38D		Lab ID: 11090054-006A	Grab			
SAMPLED BY: FC		Sample Time: 08/31/2011 14:30				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	186 mg/L	SM2320B	2	09/01/11 14:00	09/01/11	IC-SA
SAMPLE: MW-38D		Lab ID: 11090054-006B	Grab			
SAMPLED BY: FC		Sample Time: 08/31/2011 14:30				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	S Lachat 10-107-06-1B	0.1	09/08/11 14:00	09/08/11	KDD-SA
Chemical Oxygen Demand	118 mg/L	HACH 8000	10	09/07/11 9:45	09/07/11	KED-SA
SAMPLE: MW-38D		Lab ID: 11090054-006C	Grab			
SAMPLED BY: FC		Sample Time: 08/31/2011 14:30				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	09/01/11 10:00	09/06/11	KAL-SA
pH	7.84@26.2°C	K SM4500H+B		09/01/11 14:00	09/01/11	MED-SA
SAMPLE: MW-38D		Lab ID: 11090054-006D	Grab			
SAMPLED BY: FC		Sample Time: 08/31/2011 14:30				
Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	10.5 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Sulfate	7.50 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Bromide	0.11 mg/L	EPA 300.0	0.05	09/06/11 16:28	09/06/11	HDP-CV

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MANAGER

*Cassie M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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WO#: 11090054

PAGE: 13 of 17

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## TEST REPORT

PWS ID# Broome Co. DOH

Landfill-Routine

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DATE: 09/01/2011 9:33

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SAMPLE: MW-38D

Lab ID: 11090054-006E Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.16 mg/L	EPA 353.2	0.05	09/02/11 8:00	09/02/11	SG-SA
Total Dissolved Solids	208 mg/L	SM2540C	10	09/02/11 15:30	09/06/11	KED-SA

Sample Note: High CCV for Nitrate, result may be biased high.

SAMPLE: MW-38D

Lab ID: 11090054-006F Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.005 mg/L	MS EPA 200.7	0.005	09/07/11 14:00	09/12/11	GSR-CV
Calcium	70.3 mg/L	EPA 200.7	0.500	09/07/11 14:00	09/12/11	GSR-CV
Iron	395 mg/L	EPA 200.7	0.100	09/07/11 14:00	09/12/11	GSR-CV
Lead	0.145 mg/L	EPA 200.7	0.050	09/07/11 14:00	09/12/11	GSR-CV
Magnesium	81.5 mg/L	EPA 200.7	0.150	09/07/11 14:00	09/12/11	GSR-CV
Manganese	10.2 mg/L	L EPA 200.7	0.010	09/07/11 14:00	09/12/11	GSR-CV
Potassium	11.6 mg/L	EPA 200.7	2.75	09/07/11 14:00	09/12/11	GSR-CV
Sodium	43.1 mg/L	EPA 200.7	2.75	09/07/11 14:00	09/12/11	GSR-CV
Thallium	< 0.125 mg/L	MS EPA 200.7	0.125	09/07/11 14:00	09/12/11	GSR-CV
Vanadium	0.169 mg/L	EPA 200.7	0.050	09/07/11 14:00	09/12/11	GSR-CV
Zinc	0.911 mg/L	EPA 200.7	0.025	09/07/11 14:00	09/12/11	GSR-CV
Hardness, Calculation	511 mg/L	EPA 200.7	1.87	09/07/11 14:00	09/12/11	GSR-CV

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## TEST REPORT

Landfill-Routine

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SAMPLE: **MW-38D**

Lab ID: 11090054-006G Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:30

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	09/07/11 10:22	09/07/11	JLE-SA

SAMPLE: **MW-38D**

Lab ID: 11090054-006H Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:30

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Phenol	0.130 mg/L	EPA 420.4	0.025	09/06/11 14:00	09/06/11	KDD-SA

SAMPLE: **MW-38D**

Lab ID: 11090054-006I Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:30

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	09/06/11 15:18	09/06/11	NFM-SA

SAMPLE: **SW-Carlin**

Lab ID: 11090054-007

SAMPLED BY: FC

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
pH	6.99	Field Parameters				
Temperature, sampled	19.6 deg C	Field Parameters				

SAMPLE: **SW-Carlin**

Lab ID: 11090054-007A Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:45

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	36 mg/L	SM2320B	2	09/01/11 14:00	09/01/11	IC-SA

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PWS ID# Broome Co. DOH

Landfill-Routine

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SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007B Grab

Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	09/08/11 14:00	09/08/11	KDD-SA
Chemical Oxygen Demand	16 mg/L	HACH 8000	10	09/07/11 9:45	09/07/11	KED-SA

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007C Grab

Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	09/01/11 10:00	09/06/11	KAL-SA
pH	6.9@25.2°C	K SM4500H+B		09/01/11 14:00	09/01/11	MED-SA

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007D Grab

Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	23.3 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Sulfate	8.98 mg/L	EPA 300.0	0.25	09/07/11 15:21	09/08/11	HDP-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	09/06/11 16:28	09/06/11	HDP-CV

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007E Grab

Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.38 mg/L	EPA 353.2	0.05	09/02/11 8:00	09/02/11	SG-SA
Total Dissolved Solids	85 mg/L	SM2540C	10	09/02/11 15:30	09/06/11	KED-SA

Sample Note: High CCV for Nitrate, result may be biased high.

REMARKS:

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- S Spike Recovery outside accepted recovery limits
- Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Cassie M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
**Eastern Division**

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11090054

Phone: (570) 888-0169  
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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11090054  
PAGE: 16 of 17  
PO#:

PHONE: (607) 775-4584  
FAX: (607) 775-1434

**TEST REPORT**

PWS ID# Broome Co. DOH

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SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007F Grab  
Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	09/07/11 14:00	09/09/11	GSR-CV
Calcium	10.7 mg/L	EPA 200.7	0.050	09/07/11 14:00	09/09/11	GSR-CV
Iron	0.200 mg/L	EPA 200.7	0.005	09/07/11 14:00	09/09/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	09/07/11 14:00	09/09/11	GSR-CV
Magnesium	2.59 mg/L	EPA 200.7	0.025	09/07/11 14:00	09/09/11	GSR-CV
Manganese	0.018 mg/L	EPA 200.7	0.002	09/07/11 14:00	09/09/11	GSR-CV
Potassium	1.87 mg/L	EPA 200.7	0.500	09/07/11 14:00	09/09/11	GSR-CV
Sodium	16.7 mg/L	EPA 200.7	0.500	09/07/11 14:00	09/09/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	09/07/11 14:00	09/09/11	GSR-CV
Vanadium	< 0.005 mg/L	EPA 200.7	0.005	09/07/11 14:00	09/09/11	GSR-CV
Zinc	0.007 mg/L	EPA 200.7	0.005	09/07/11 14:00	09/09/11	GSR-CV
Hardness, Calculation	37.4 mg/L	EPA 200.7	0.125	09/07/11 14:00	09/09/11	GSR-CV

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007G Grab  
Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	09/07/11 10:22	09/07/11	JLE-SA

SAMPLE: **SW-Carlin**  
SAMPLED BY: FC

Lab ID: 11090054-007H Grab  
Sample Time: 08/31/2011 14:45

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	09/06/11 14:00	09/06/11	KDD-SA

REMARKS:

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MANAGER

*Candice M. Davis*

DATE: 9/19/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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**Eastern Division**

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SAMPLE: **SW-Carlin**

Lab ID: 11090054-0071

Grab

SAMPLED BY: FC

Sample Time: 08/31/2011 14:45

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Organic Carbon	2.7 mg/L	SM5310C	0.5	09/06/11 15:18	09/06/11	NFM-SA

REMARKS:

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K Sample was received past holding time.

L Value above calibration range but within annually verified linear range

MS Limit of detection increased due to matrix interference and spike recovery data

S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Cami M. Davis*

DATE: 9/19/2011



LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
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## TEST REPORT

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SAMPLE: MW-3

Lab ID: 11114181-001

SAMPLED BY: FC

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	6.10	Field Parameters				
Temperature, sampled	11 deg C	Field Parameters				

SAMPLE: MW-3

Lab ID: 11114181-001A

Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 13:05

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	122 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA

SAMPLE: MW-3

Lab ID: 11114181-001B

Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 13:05

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	36 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA

SAMPLE: MW-3

Lab ID: 11114181-001C

Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 13:05

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	6.32@24.5°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

SAMPLE: MW-3

Lab ID: 11114181-001D

Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 13:05

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	11.1 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV

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S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Carrie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

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ADDRESS: P.O. Box 182  
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PWS ID# Broome Co. DOH

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Sulfate	11.1 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	0.07 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/12/11	HDP-CV

SAMPLE: MW-3

Lab ID: 11114181-001E Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 13:05

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	133 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

SAMPLE: MW-3

Lab ID: 11114181-001F Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 13:05

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	40.4 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	97.3 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	0.039 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	23.5 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	1.23 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/06/11	GSR-CV
Potassium	4.24 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	11.0 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	0.052 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	0.244 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Hardness, Calculation	198 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV

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Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Carrie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

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PO#:

PHONE: (607) 775-4584  
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## TEST REPORT

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-3 Lab ID: 11114181-001G Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 13:05						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA
SAMPLE: MW-3 Lab ID: 11114181-001H Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 13:05						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA
SAMPLE: MW-3 Lab ID: 11114181-001I Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 13:05						
Total Organic Carbon	1.5 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA
SAMPLE: MW-12 Lab ID: 11114181-002						
SAMPLED BY: FC						
pH	6.52	Field Parameters				
Temperature, sampled	14.0 deg C	Field Parameters				
SAMPLE: MW-12 Lab ID: 11114181-002A Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:10						
Alkalinity as CaCO3	88 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA

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MANAGER

*Anne M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
\_AB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181  
PAGE: 4 of 18  
PO#:

PHONE: (607) 775-4584  
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## TEST REPORT

PWS ID# Broome Co. DOH

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SAMPLE: MW-12

Lab ID: 11114181-002B Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	29 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA

SAMPLE: MW-12

Lab ID: 11114181-002C Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	6.11@24.1°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

SAMPLE: MW-12

Lab ID: 11114181-002D Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	5.97 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Sulfate	14.0 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	0.20 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/12/11	HDP-CV

SAMPLE: MW-12

Lab ID: 11114181-002E Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	134 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

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MANAGER

*Cami M. Davis*

DATE:

12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
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## TEST REPORT

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Landfill-Routine

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SAMPLE: MW-12

Lab ID: 11114181-002F Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	22.1 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	5.33 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	7.63 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	1.12 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/06/11	GSR-CV
Potassium	0.977 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	9.97 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	< 0.005 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	0.025 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Hardness, Calculation	86.6 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV

SAMPLE: MW-12

Lab ID: 11114181-002G Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA

SAMPLE: MW-12

Lab ID: 11114181-002H Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:10

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA

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Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Ami M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
AB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
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## TEST REPORT

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Landfill-Routine

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: MW-12 Lab ID: 11114181-002I Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:10						
Total Organic Carbon	1.1 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA
SAMPLE: MW-4 Lab ID: 11114181-003						
SAMPLED BY: FC						
pH	6.68	Field Parameters				
Temperature, sampled	12.5 deg C	Field Parameters				
SAMPLE: MW-4 Lab ID: 11114181-003A Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:00						
Alkalinity as CaCO3	102 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA
SAMPLE: MW-4 Lab ID: 11114181-003B Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:00						
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	38 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA
SAMPLE: MW-4 Lab ID: 11114181-003C Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:00						
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	7.02@23.5°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

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MANAGER

*Carrie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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## TEST REPORT

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Landfill-Routine

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SAMPLE: MW-4

Lab ID: 11114181-003D Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 14:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	20.4 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Sulfate	9.45 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/13/11	HDP-CV

SAMPLE: MW-4

Lab ID: 11114181-003E Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 14:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.13 mg/L	EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	142 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

SAMPLE: MW-4

Lab ID: 11114181-003F Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 14:00

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	35.8 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	13.5 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	0.013 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	10.8 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	3.47 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/06/11	GSR-CV
Potassium	1.90 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	6.42 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	0.010 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	0.044 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV

REMARKS:

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K Sample was received past holding time.

S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Amie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11114181

Phone: (570) 888-0169  
Fax: (570) 888-0717

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

PAGE: 8 of 18

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

Landfill-Routine

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Hardness, Calculation	134 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV
SAMPLE: MW-4		Lab ID: 11114181-003G	Grab			
SAMPLED BY: FC		Sample Time: 11/28/2011 14:00				
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA
SAMPLE: MW-4		Lab ID: 11114181-003H	Grab			
SAMPLED BY: FC		Sample Time: 11/28/2011 14:00				
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA
SAMPLE: MW-4		Lab ID: 11114181-003I	Grab			
SAMPLED BY: FC		Sample Time: 11/28/2011 14:00				
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA
SAMPLE: MW-1 Upgradient		Lab ID: 11114181-004				
SAMPLED BY: FC						
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
pH	6.91	Field Parameters				
Temperature, sampled	11.2 deg C	Field Parameters				
SAMPLE: MW-1 Upgradient		Lab ID: 11114181-004A	Grab			
SAMPLED BY: FC		Sample Time: 11/28/2011 11:55				
<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Alkalinity as CaCO3	246 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA

REMARKS:

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K Sample was received past holding time.

S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Amie M. Davis*

DATE: 12/13/2011



LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
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NAME: Tom Delamarter  
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SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004B Grab

Sample Time: 11/28/2011 11:55

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B.	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	21 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004C Grab

Sample Time: 11/28/2011 11:55

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	7.47@23.5°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004D Grab

Sample Time: 11/28/2011 11:55

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Chloride	1.20 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Sulfate	9.52 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/13/11	HDP-CV

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004E Grab

Sample Time: 11/28/2011 11:55

SLOQ

<u>Test</u>	<u>Result</u>	<u>Method</u>	<u>SLOQ</u>	<u>Analysis Start</u>	<u>Analysis End</u>	<u>Analyst *</u>
Nitrate as N	0.07 mg/L	S EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	227 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

REMARKS:

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MANAGER

*Carie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
AB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
**Eastern Division**

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NAME: Tom Delamarter  
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SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004F

Grab

Sample Time: 11/28/2011 11:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	55.0 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	0.047 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	18.9 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	0.080 mg/L	EPA 200.7	0.002	12/02/11 10:25	12/05/11	GSR-CV
Potassium	1.58 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	19.3 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	< 0.005 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	0.010 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Hardness, Calculation	215 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004G

Grab

Sample Time: 11/28/2011 11:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA

SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004H

Grab

Sample Time: 11/28/2011 11:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA

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Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Cassie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
.AB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

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## TEST REPORT

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SAMPLE: **MW-1 Upgradient**  
SAMPLED BY: FC

Lab ID: 11114181-004I Grab

Sample Time: 11/28/2011 11:55

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11114181-005

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
pH	6.85	Field Parameters				
Temperature, sampled	10.7 deg C	Field Parameters				

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11114181-005A Grab

Sample Time: 11/28/2011 14:50

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Alkalinity as CaCO3	30 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11114181-005B Grab

Sample Time: 11/28/2011 14:50

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	S Lachat 10-107-06-1B	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	17 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA

SAMPLE: **SW Carlin**  
SAMPLED BY: FC

Lab ID: 11114181-005C Grab

Sample Time: 11/28/2011 14:50

SLOQ

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	7.41@22.4°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

REMARKS:

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Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Carmie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Phone: (570) 888-0169  
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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

PAGE: 12 of 18

PO#:

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

PWS ID# Broome Co. DOH

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SAMPLE: SW Carlin  
SAMPLED BY: FC

Lab ID: 11114181-005D Grab

Sample Time: 11/28/2011 14:50

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Chloride	15.8 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Sulfate	7.66 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/13/11	HDP-CV

SAMPLE: SW Carlin  
SAMPLED BY: FC

Lab ID: 11114181-005E Grab

Sample Time: 11/28/2011 14:50

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Nitrate as N	0.11 mg/L	EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	56 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

SAMPLE: SW Carlin  
SAMPLED BY: FC

Lab ID: 11114181-005F Grab

Sample Time: 11/28/2011 14:50

SLOQ

Test	Result	Method		Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	9.64 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	0.138 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	2.25 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	0.044 mg/L	EPA 200.7	0.002	12/02/11 10:25	12/05/11	GSR-CV
Potassium	1.08 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	11.8 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	< 0.005 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	< 0.005 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV

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MANAGER

*Carrie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
I B ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
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END DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Hardness, Calculation	33.4 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV
SAMPLE: SW Carlin Lab ID: 11114181-005G Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:50						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA
SAMPLE: SW Carlin Lab ID: 11114181-005H Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:50						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA
SAMPLE: SW Carlin Lab ID: 11114181-005I Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:50						
Total Organic Carbon	2.0 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA
SAMPLE: MW-38D Lab ID: 11114181-006						
SAMPLED BY: FC						
pH	7.50	Field Parameters				
Temperature, sampled	13.4 deg C	Field Parameters				
SAMPLE: MW-38D Lab ID: 11114181-006A Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:40						
Alkalinity as CaCO3	176 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA

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MANAGER

*Cami M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
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NAME: Tom Delamarter  
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PAGE: 14 of 18  
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SAMPLE: **MW-38D** Lab ID: 11114181-006B Grab  
SAMPLED BY: FC Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	51 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA

SAMPLE: **MW-38D** Lab ID: 11114181-006C Grab  
SAMPLED BY: FC Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	7.88@22.7°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

SAMPLE: **MW-38D** Lab ID: 11114181-006D Grab  
SAMPLED BY: FC Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	10.6 mg/L	EPA 300.0	0.25	12/10/11 13:28	12/11/11	MJS-CV
Sulfate	8.28 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	0.12 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/13/11	HDP-CV

SAMPLE: **MW-38D** Lab ID: 11114181-006E Grab  
SAMPLED BY: FC Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	0.11 mg/L	EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	225 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

REMARKS:

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K Sample was received past holding time.

S Spike Recovery outside accepted recovery limits

Y LFB % Recovery below acceptance limits. The result may be biased low.

MANAGER

*Carrie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

# Benchmark Analytics, Inc. Eastern Division

2566 Pennsylvania Ave.  
Sayre, PA 18840

Work Order: 11114181

Phone: (570) 888-0169  
Fax: (570) 888-0717

**SEND DATA TO:**

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

PAGE: 15 of 18

PO#:

PWS ID# Broome Co. DOH

PHONE: (607) 775-4584  
FAX: (607) 775-1434

## TEST REPORT

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SAMPLE: **MW-38D**

Lab ID: 11114181-006F Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	50.3 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	183 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	0.081 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	42.1 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	2.98 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/06/11	GSR-CV
Potassium	7.14 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	19.3 mg/L	EPA 200.7	2.50	12/02/11 10:25	12/06/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	0.085 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	0.464 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Hardness, Calculation	298 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV

SAMPLE: **MW-38D**

Lab ID: 11114181-006G Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA

SAMPLE: **MW-38D**

Lab ID: 11114181-006H Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 14:40

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA

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MANAGER

*Cassie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
AB ID # 11827 \*CV

**Benchmark Analytics, Inc.**  
**Eastern Division**

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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

PAGE: 16 of 18

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**TEST REPORT**

Landfill-Routine

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
SAMPLE: <b>MW-38D</b> Lab ID: 11114181-006I Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 14:40						
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA
SAMPLE: <b>MW-37</b> Lab ID: 11114181-007						
SAMPLED BY: FC						
pH	7.01	Field Parameters				
Temperature, sampled	13.6 deg C	Field Parameters				
SAMPLE: <b>MW-37</b> Lab ID: 11114181-007A Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:30						
Alkalinity as CaCO3	144 mg/L	SM2320B	2	11/29/11 9:45	11/29/11	JP-SA
SAMPLE: <b>MW-37</b> Lab ID: 11114181-007B Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:30						
Ammonia as N	< 0.1 mg/L	Lachat 10-107-06-1B	0.1	12/06/11 12:00	12/06/11	KDD-SA
Chemical Oxygen Demand	24 mg/L	HACH 8000	10	12/01/11 9:20	12/01/11	KAL-SA
SAMPLE: <b>MW-37</b> Lab ID: 11114181-007C Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:30						
BOD	< 6 mg/L	SM5210B	6	11/30/11 7:30	12/05/11	MED-SA
pH	7.53@22.7°C	K SM4500H+B		11/29/11 9:04	11/29/11	KJG-SA

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MANAGER

*Amie M. Davis*

DATE: 12/13/2011



LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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Work Order: 11114181

SEND DATA TO:

NAME: Tom Delamarter  
COMPANY: Conklin, Town of  
ADDRESS: P.O. Box 182  
Conklin, NY 13748

WO#: 11114181

PAGE: 17 of 18

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PWS ID# Broome Co. DOH

## TEST REPORT

PHONE: (607) 775-4584  
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Landfill-Routine

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SAMPLE: MW-37

Lab ID: 11114181-007D Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Chloride	12.7 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Sulfate	13.2 mg/L	EPA 300.0	0.25	12/10/11 13:26	12/11/11	MJS-CV
Bromide	< 0.05 mg/L	EPA 300.0	0.05	12/12/11 15:21	12/13/11	HDP-CV

SAMPLE: MW-37

Lab ID: 11114181-007E Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Nitrate as N	< 0.05 mg/L	EPA 353.2	0.05	11/30/11 8:00	11/30/11	SG-SA
Total Dissolved Solids	165 mg/L	SM2540C	10	11/29/11 15:00	11/30/11	KDD-SA

SAMPLE: MW-37

Lab ID: 11114181-007F Grab

SAMPLED BY: FC

Sample Time: 11/28/2011 15:30

Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Cadmium	< 0.001 mg/L	EPA 200.7	0.001	12/02/11 10:25	12/05/11	GSR-CV
Calcium	48.6 mg/L	EPA 200.7	0.050	12/02/11 10:25	12/05/11	GSR-CV
Iron	0.397 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Lead	< 0.010 mg/L	EPA 200.7	0.010	12/02/11 10:25	12/05/11	GSR-CV
Magnesium	6.79 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Manganese	0.073 mg/L	EPA 200.7	0.002	12/02/11 10:25	12/05/11	GSR-CV
Potassium	4.02 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Sodium	8.88 mg/L	EPA 200.7	0.500	12/02/11 10:25	12/05/11	GSR-CV
Thallium	< 0.025 mg/L	EPA 200.7	0.025	12/02/11 10:25	12/05/11	GSR-CV
Vanadium	< 0.005 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV
Zinc	0.012 mg/L	EPA 200.7	0.005	12/02/11 10:25	12/05/11	GSR-CV

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MANAGER

*Carrie M. Davis*

DATE: 12/13/2011

LAB ID # 11216 \*SA  
LAB ID # 11827 \*CV

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Test	Result	Method	SLOQ	Analysis Start	Analysis End	Analyst *
Hardness, Calculation	149 mg/L	EPA 200.7	0.373	12/02/11 10:25	12/05/11	GSR-CV
SAMPLE: MW-37 Lab ID: 11114181-007G Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:30						
Total Kjeldahl Nitrogen	< 1.0 mg/L	Y Lachat 10-107-06-2-D	1.0	12/05/11 10:00	12/05/11	NFM-SA
SAMPLE: MW-37 Lab ID: 11114181-007H Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:30						
Phenol	< 0.025 mg/L	EPA 420.4	0.025	11/30/11 12:00	11/30/11	NSF-SA
SAMPLE: MW-37 Lab ID: 11114181-007I Grab						
SAMPLED BY: FC Sample Time: 11/28/2011 15:30						
Total Organic Carbon	< 0.5 mg/L	SM5310C	0.5	11/30/11 13:04	11/30/11	KED-SA

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MANAGER

*Candice M. Davis*

DATE: 12/13/2011