

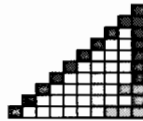
07504. GW35

3rd QUARTER 2010 GROUNDWATER QUALITY MONITORING REPORT

DUNKIRK LANDFILL
Chautauqua County, NY

Prepared For:
**CHAUTAUQUA COUNTY DEPARTMENT OF
PUBLIC FACILITIES**

Prepared By:



Applied Testing & Geosciences, LLC
401 East 4th Street, Bldg 12-B
Bridgeport, PA 19405
(610) 313-9200

December 2010

**THIRD QUARTER 2010
MONITORING RESULTS
DUNKIRK LANDFILL
CHAUTAUQUA COUNTY, NY**

Prepared For

**CHAUTAUQUA COUNTY DEPARTMENT OF
PUBLIC FACILITIES**

Prepared By:

**Applied Testing and Geosciences, LLC
401 E. Fourth Street, Building 12-B
Bridgeport, PA 19405**

December 2010

Project No. 10725

12/15/10
10725

**CHAUTAUQUA COUNTY
LANDFILL MONITORING SUMMARY
THIRD QUARTER 2010 SAMPLING EVENT
DUNKIRK LANDFILL**

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**CHAUTAUQUA COUNTY
LANDFILL MONITORING SUMMARY
THIRD QUARTER 2010 SAMPLING EVENT
DUNKIRK LANDFILL**

SECTION 1 – ACTIVITIES

The following report has been prepared by Applied Testing & Geosciences, LLC on behalf of the County of Chautauqua, New York for the Dunkirk Landfill, a closed facility, for the annual facility monitoring event, conducted in the 3rd quarter of 2010. On July 8, 2010 groundwater and surface water samples were collected at the Dunkirk Landfill in accordance with the facility's approved Environmental Monitoring Plan. Maps of the site location and site layout are included in Attachment 1. The approved monitoring locations for the facility are shown on Table 1.

Water samples were collected from five (5) groundwater monitoring wells (DLG-1A, DLG-2, DLG-3, DLG-4A, and DLG-4B) and from three (3) surface water locations (DLS-5, DLS-6, and DLS-7). Sample point DLS-8D was dry and sample point DLG-9 could not be reached because of excessive overgrowth of vegetation. Each water sample was sent to Upstate Laboratories, Syracuse, New York, a New York State certified laboratory, to be analyzed for the approved site-specific parameters, which consist of:

- BOD
- COD
- TOC
- TDS
- Chloride
- Ammonia
- Nitrite
- Iron
- Lead (surface water only)
- Manganese, and
- Sodium

All samples were received at the laboratory in good condition, and holding time and temperature criteria were met except where noted in the lab narrative. Generally, the laboratory reported no problems with the analyses. The RPD has been calculated for

detected parameters for duplicate samples DLG-3; DLG3 DUPE and DLS-7;DLS7 DUPE (see Table 3). MS and MD samples were collected and analyzed.

SECTION 2 – SUMMARY OF ANALYTICAL RESULTS

Table 2 provides a summary of analytical results. Time-series graphs of selected parameters for the monitoring wells for the monitoring period from 2001 to 2010 are presented in Attachment 2. The laboratory analysis reports are included as Attachment 3. Inorganic parameters that exceeded NYSDEC Class GA Groundwater standards (in the 3rd Quarter 2010) were: Ammonia (DLG-4B), Iron (DLG-2, DLG-3, DLS-4A, DLS-5, DLS-6, and DLS-7), and Sodium (DLG-2, DLG-3, DLG-4A, DLG-4B, DLS-5 and DLS-6). Iron and sodium are common natural elements in regional soils and bedrock, and their detection at the site is not necessarily a sign of landfill impact.

Time series graphs of select indicator parameters have been prepared and are included as Attachment 2. Overall, most sample locations indicate fluctuations in concentration of these parameters within the range of values observed over the sampling period represented in the graphs (2001 to 2008). In addition, the following trends are noted:

- DLG-1A: Parameters stable overall, slight increase in Chloride and TDS;
- DLG-2: Slight decrease in Specific Conductivity, stability in other parameters;
- DLG-3: Increase in COD, Specific Conductivity and TDS. Other parameters stable;
- DLG-4A: Parameters stable overall;
- DLG-4B: Decreases in TDS, Sodium, and Chloride, other parameters stable;
- DLG-9: Not sampled this event.
- DLS-5: All parameters within historical range. Sodium, TDS, Specific Conductivity and Chloride increased over 2009Q2 event.

- DLS-6: All parameters within historical range. Overall stable (but fluctuating trends. Sodium, TDS, and Specific Conductivity increased over 2009Q2 event;
- DLS-7: Specific conductivity stabilized since 2007Q4, other parameters stable;
- DLS-8: Sample point dry.

These locations will be similarly evaluated with the next sampling event results.

Overall, the observed historic trends and infrequent occurrence of parameters above water quality standards indicates that water quality at the site has not been significantly impacted. The full suite of parameters typically associated with a leachate impact did not change at any location. Further, the continued chemical similarity between the upstream (DLS-6) and downstream (DLS-5) surface water locations on Hyde Creek indicate that the closed landfill is not significantly impacting the stream.

It is recommended that the facility continue monitoring under the current program.

DUNKIRK LANDFILL
Third Quarter of 2010

TABLES

TABLE 2
DUNKIRK LANDFILL
Analytical Results
Third Quarter of 2010

PARAMETER	UNITS	Downgradient													NYSDEC Standards		
		DLG-1A	DLG-2	DLG-3	DLG3 DUPE	DLG-4A	DLG-4B	DLS-5	DLS-6	DLS-7	DLS7 DUPE						
Water Elevation	FT	4.02	4.1	6.5		14.72	14.24										
Dissolved Oxygen	MG/L											8.31	8.53	7.96			
Specific Conductivity	UMHOS/CM	633	596	1386		988	743					890	637	1626			
Field EH/ORP	MV	169	271	179		191	96					265	186	226			
Temperature (Field Test)	DEGC	19.8	20.4	17.9		18	16.2					24.6	24.1	29.2			
Turbidity (Field)	NTU	4.12	13.9	33.6		6.73	5.34					12.6	8.16	11.3			
pH (Field)	SU	6.84	7.7	7.45		7.87	8.67					8.16	7.88	9.25			
Ammonia	MG/L	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	4.39					ND (<0.5)	ND (<0.5)	ND (<0.5)			2
Biochemical Oxygen Demand (BOD5)	MG/L	ND (<4)	ND (<4)	ND (<4)	ND (<4)	ND (<4)	ND (<4)					5	4	5			6
Chemical Oxygen Demand (COD)	MG/L	ND (<20)	ND (<20)	33	46	21	48					20	20	44			56
Chloride	MG/L	21.7	41.1	17.3	17.7	147	72.2					122	101	3.65			250
Total Dissolved Solids (TDS)	MG/L	930	430	1300	1300	630	480					650	370	120			120
Total Organic Carbon	MG/L	3.2	ND (<3)	ND (<3)	ND (<3)	ND (<3)	9.1					5.5	4.4	17.4			14.5
Iron, Total	MG/L	0.092	0.53	6.6	8.6	1.2	0.067					0.6	1.2	2.2			2.2
Lead, Total	MG/L											0.001	0.002	0.005			0.005
Manganese, Total	MG/L	0.31	0.021	1.6	1.6	0.047	ND (<0.02)					0.54	0.73	0.48			0.025
Sodium, Total	MG/L	13	63	23	22	110	82					100	66	3.2			3.2
Nitrite	MG/L	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	0.05					ND (<0.05)	0.05	ND (<0.05)			ND (<0.05)

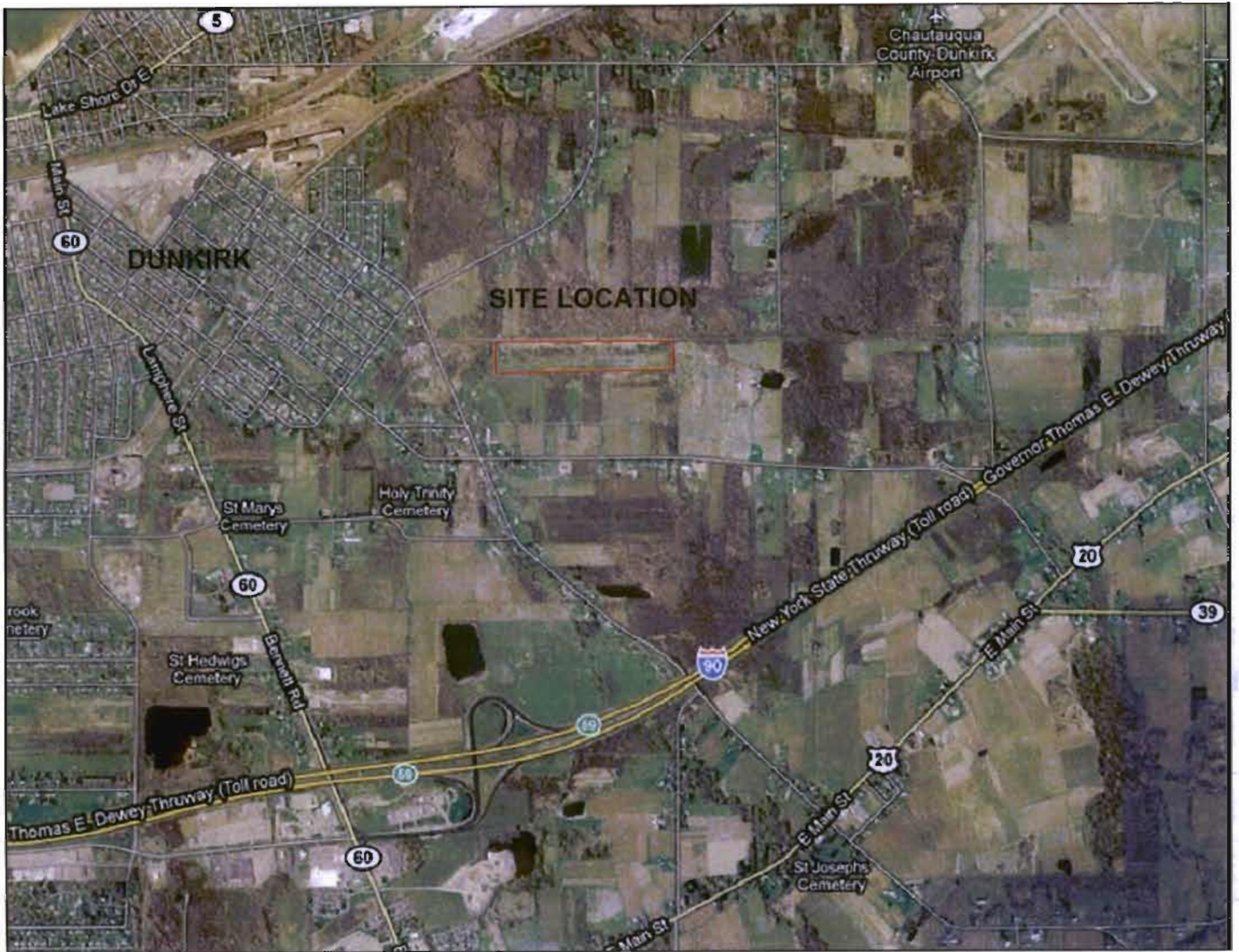
█ New York State Groundwater Standard Exceeded

**TABLE 3
DUNKIRK LANDFILL
RPD Calculations
Third Quarter of 2010**

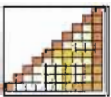
PARAMETER	UNITS	DLG-3	DLG3 DUPE	RPD	DLS-7	DLS7 DUPE	RPD
Ammonia	MG/L	ND (<0.5)	ND (<0.5)		ND (<0.5)	ND (<0.5)	
Biochemical Oxygen Demand (BOD5)	MG/L	ND (<4)	ND (<4)		5	6	18.2
Chemical Oxygen Demand (COD)	MG/L	33	46	32.9	44	56	24.0
Chloride	MG/L	17.3	17.7	2.3	3.65	3.58	1.9
Total Dissolved Solids (TDS)	MG/L	1300	1300	0.0	120	120	0.0
Total Organic Carbon	MG/L	ND (<3)	ND (<3)		17.4	14.5	18.2
Iron, Total	MG/L	6.6	8.6	26.3	2.2	2.2	0.0
Lead, Total	MG/L				0.005	0.005	0.0
Manganese, Total	MG/L	1.6	1.6	0.0	0.48	0.45	6.5
Sodium, Total	MG/L	23	22	4.4	3.2	3.2	0.0
Nitrite	MG/L	ND (<0.05)	ND (<0.05)		ND (<0.05)	ND (<0.05)	

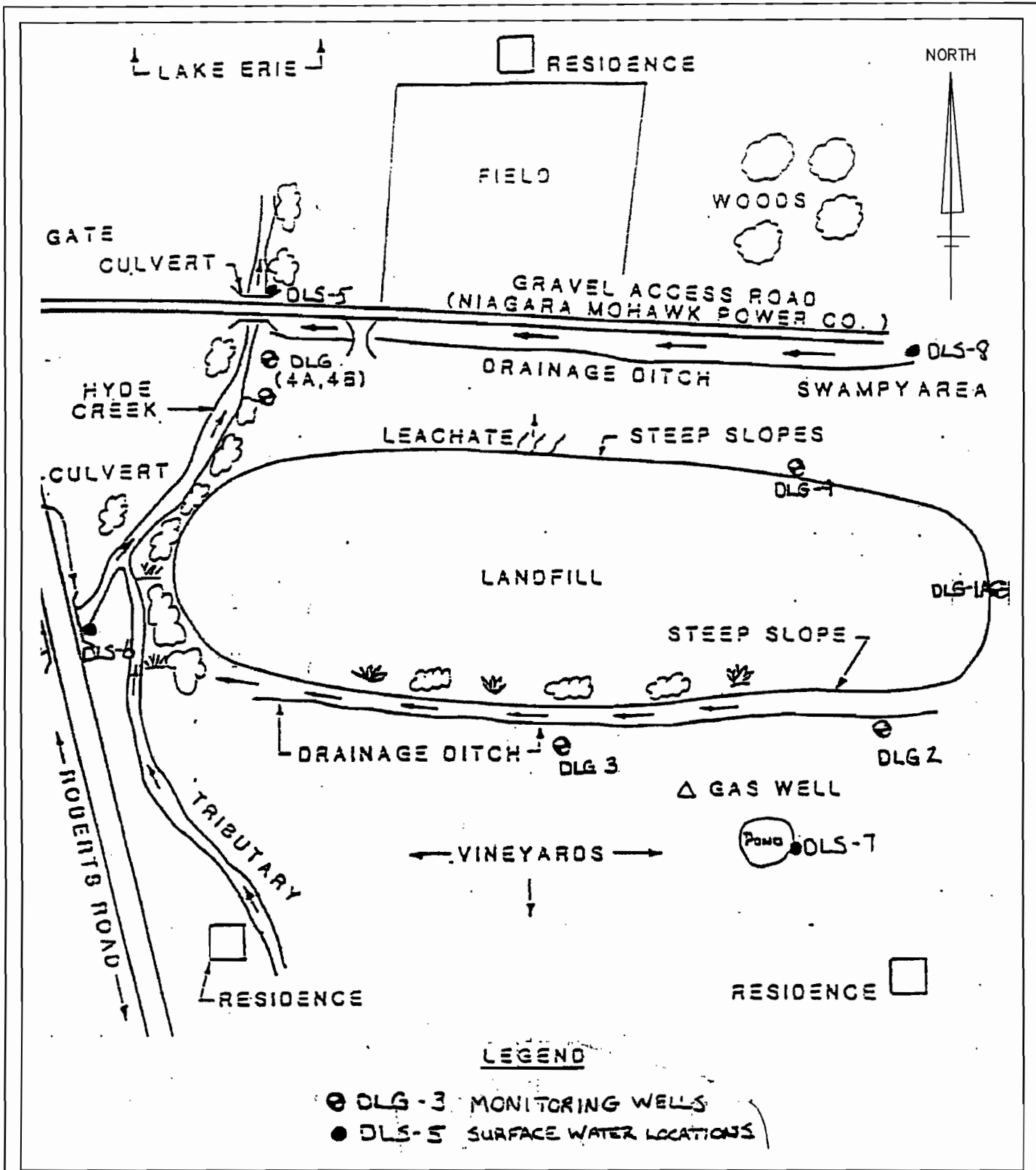
DUNKIRK LANDFILL
Third Quarter of 2010

ATTACHMENT 1: MAPS

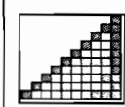


BASED ON FIGURE Bb-SITE PLAN; S&W REDEVELOPMENT; APRIL 2005

 APPLIED TESTING & GEOSCIENCES, LLC	CLIENT: COUNTY OF CHAUTAUQUA DUNKIRK LANDFILL	TITLE: SITE LOCATION MAP	
	TITLE: QUARTERLY GROUNDWATER MONITORING REPORT	DATE: 12/22/2010 SCALE: Not to Scale	FIGURE 1



BASED ON FIGURE B6-SITE PLAN; S&W REDEVELOPMENT; APRIL 2005



APPLIED TESTING & GEOSCIENCES, LLC

CLIENT: COUNTY OF CHAUTAUQUA
DUNKIRK LANDFILL

TITLE: QUARTERLY
GROUNDWATER MONITORING REPORT

TITLE: SITE MAP

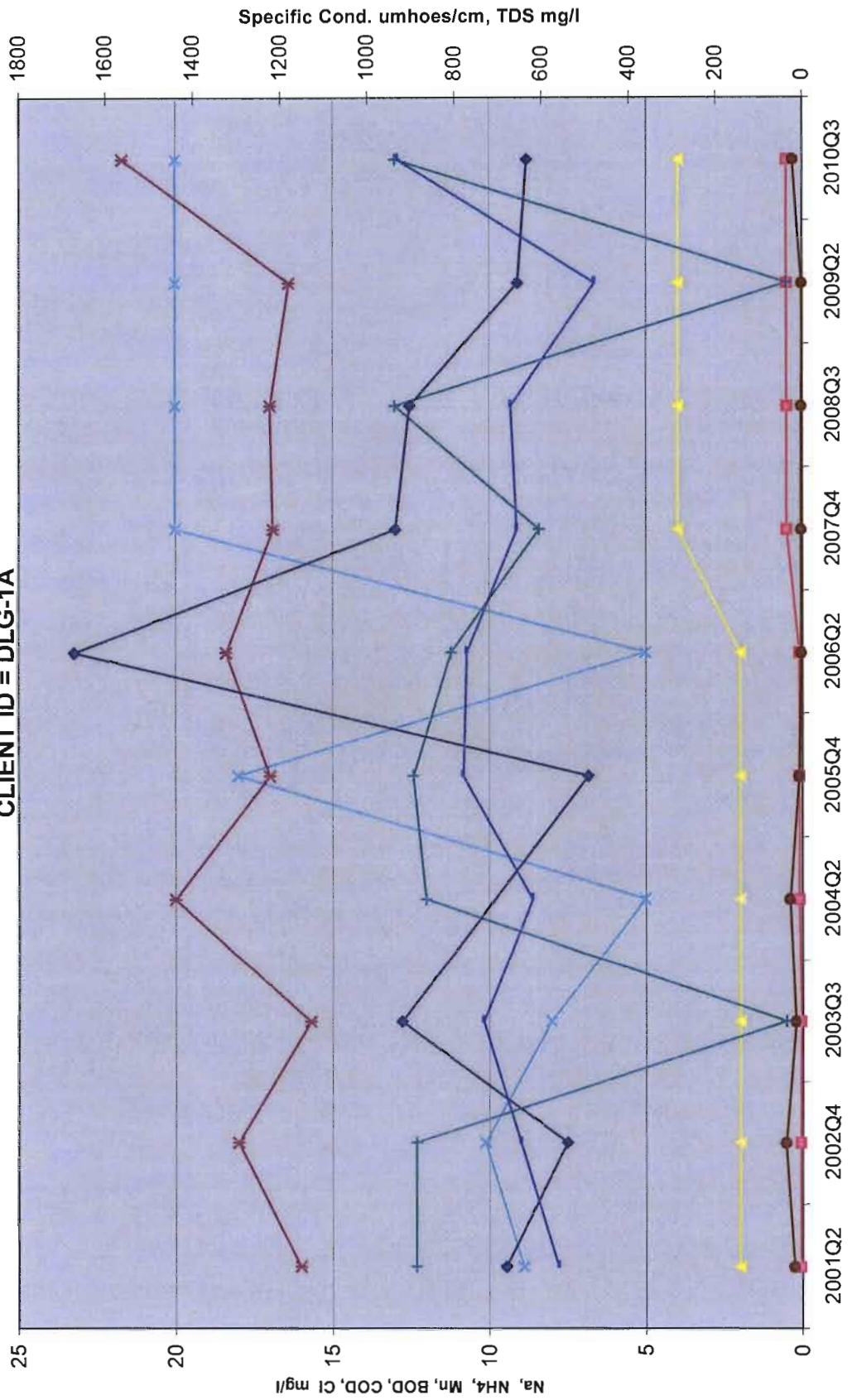
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FIGURE 2

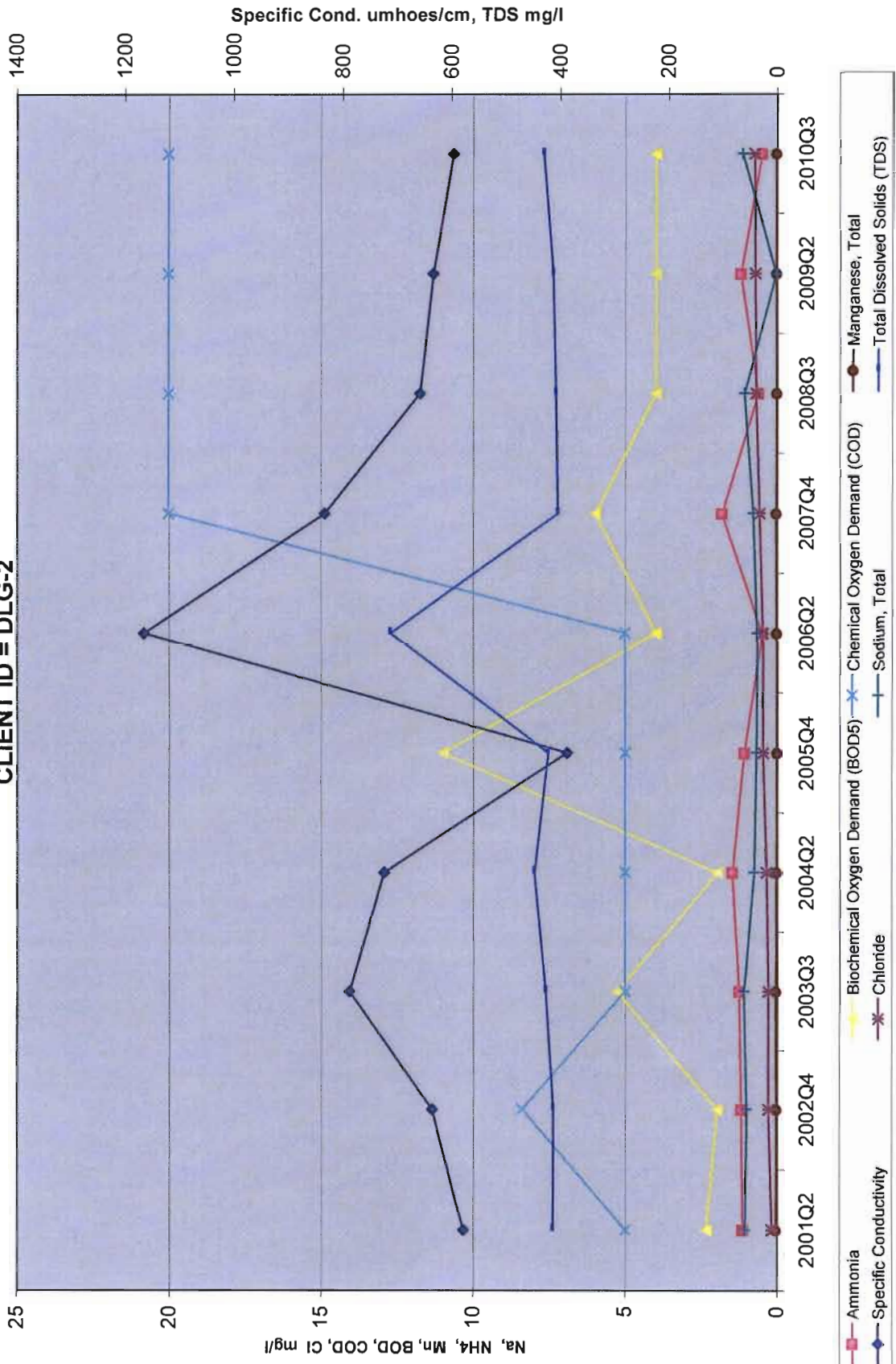
DUNKIRK LANDFILL
Third Quarter of 2010

ATTACHMENT 2: TIME SERIES GRAPHS

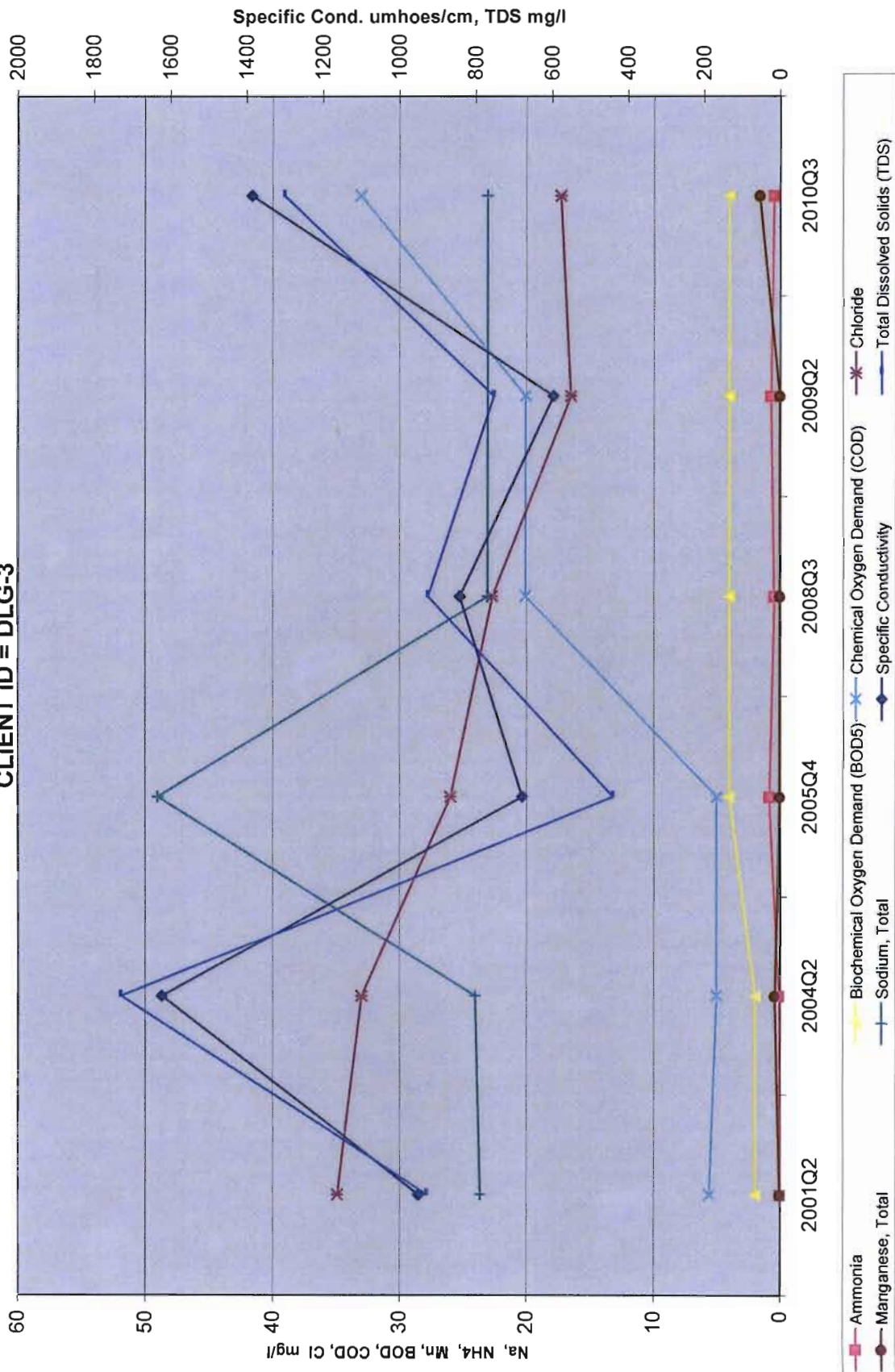
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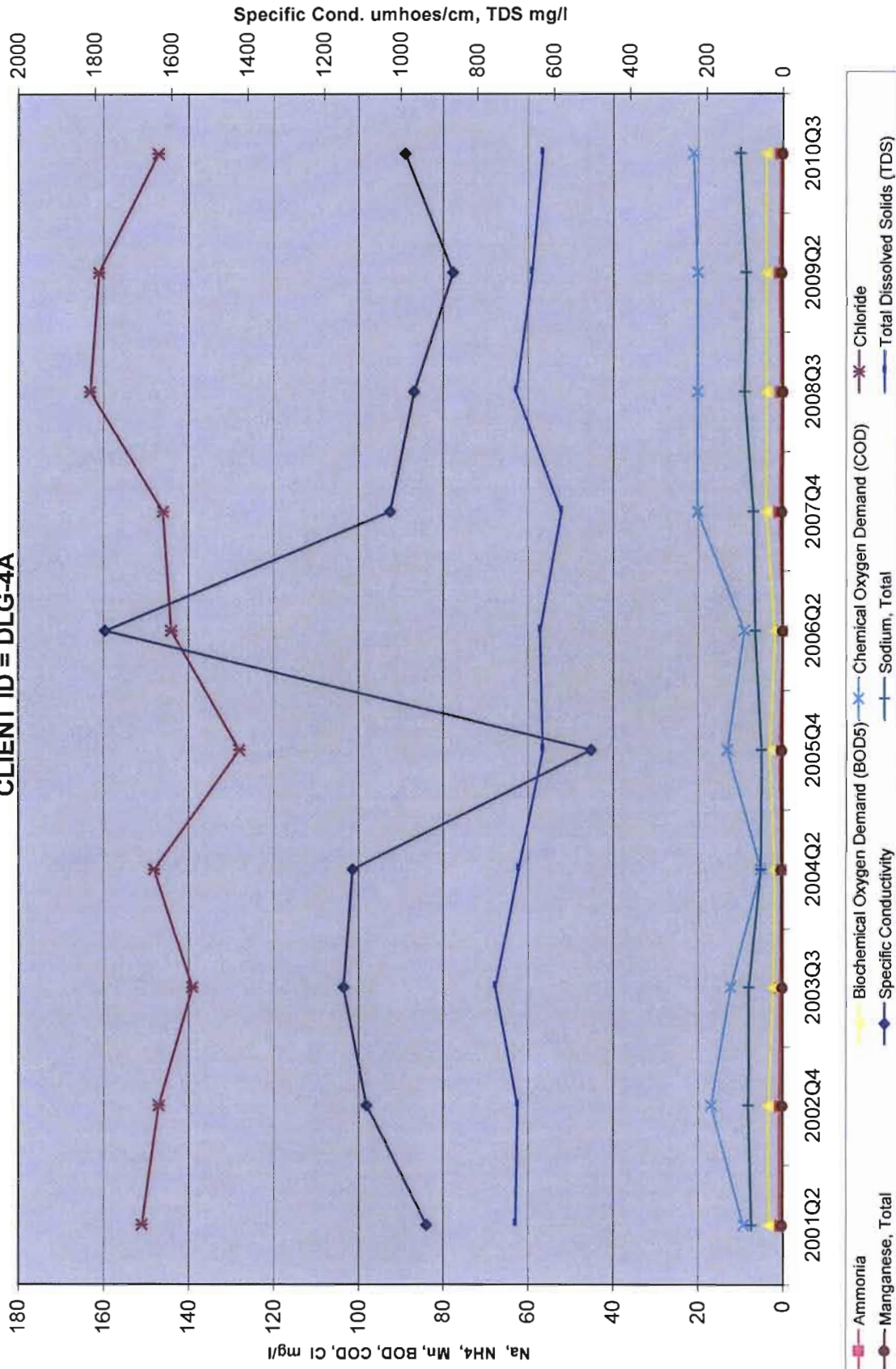
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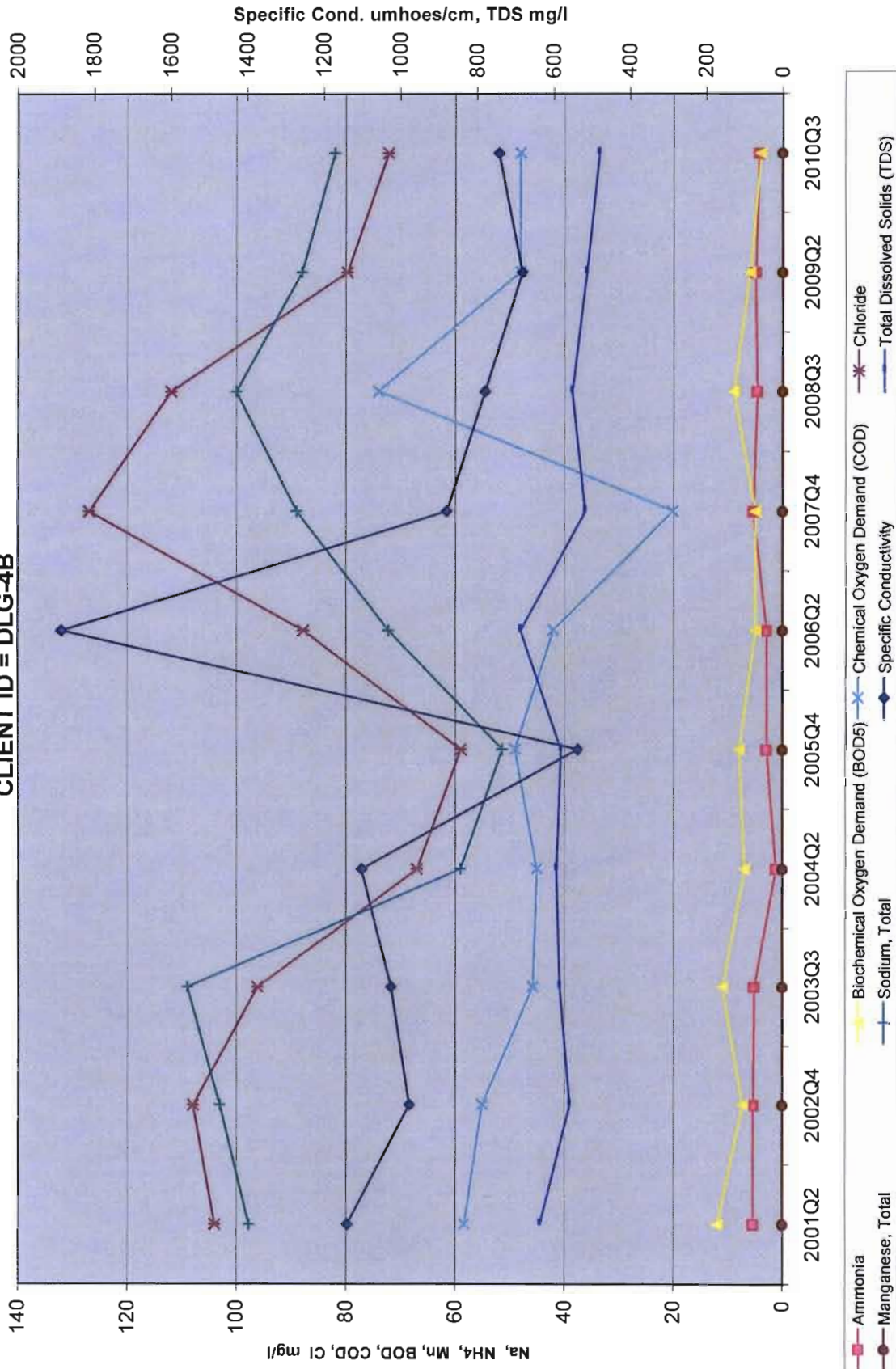
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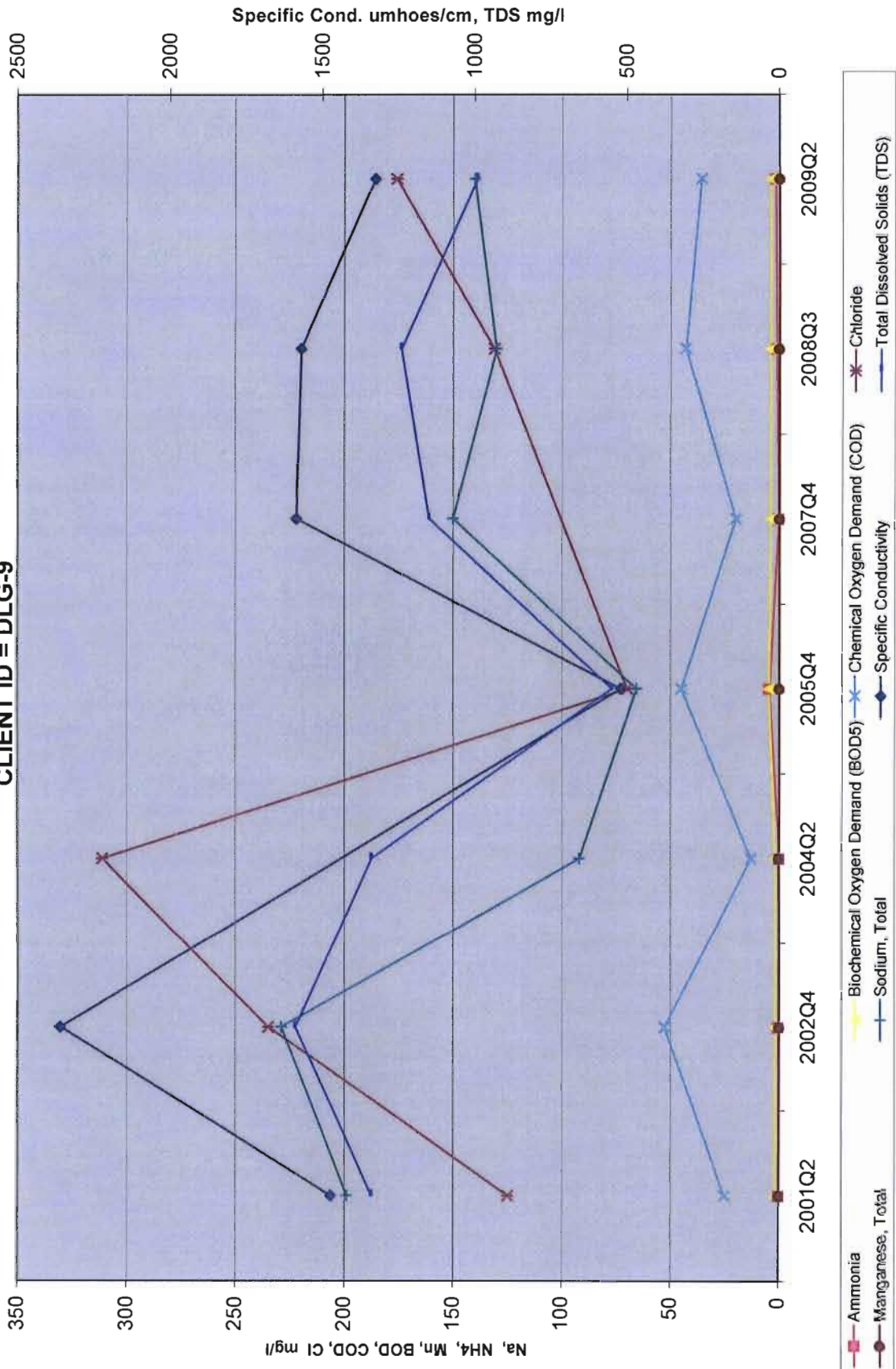
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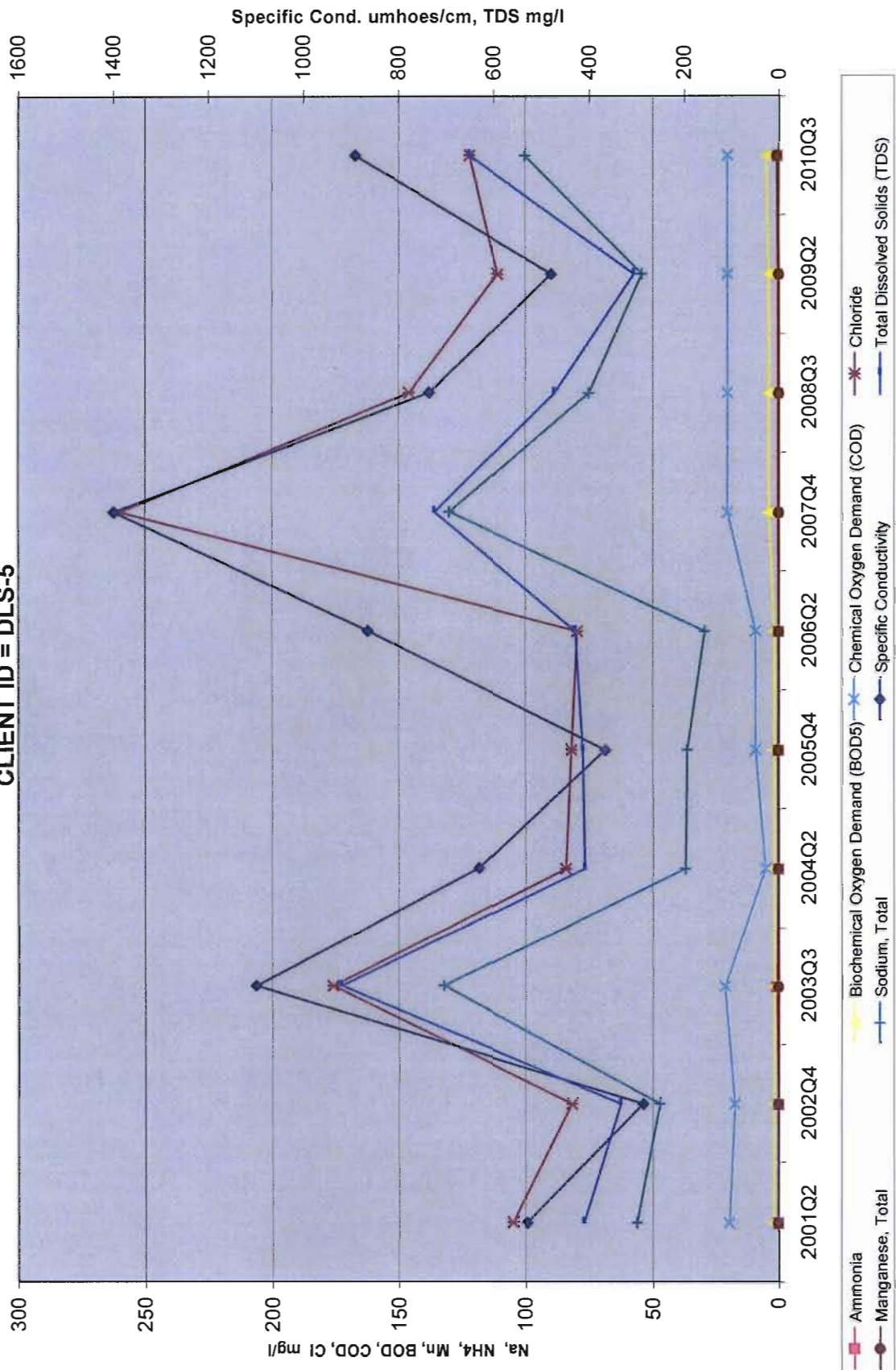
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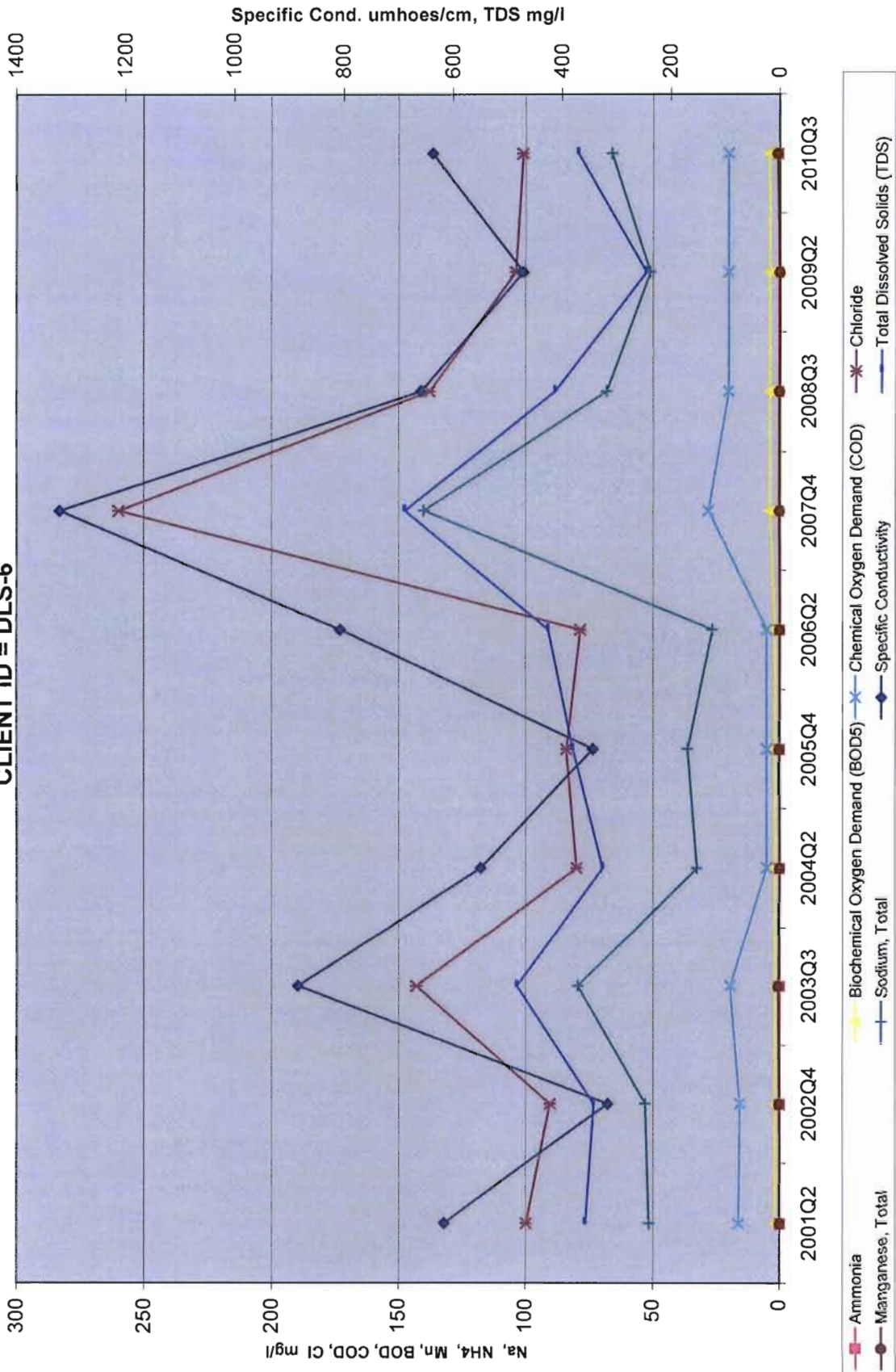
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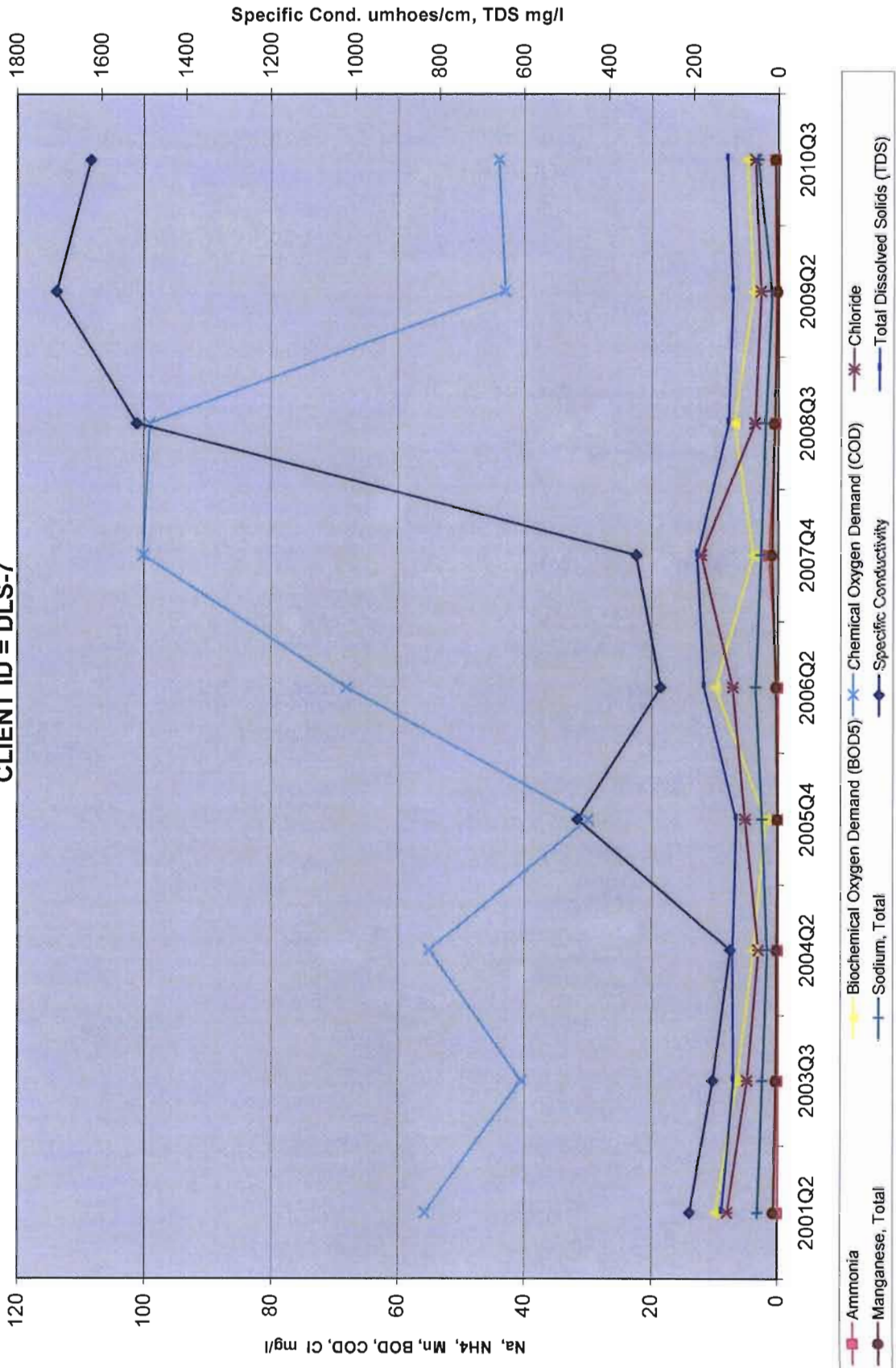
CLIENT ID = DLS-5



CLIENT ID = DLS-6



CLIENT ID = DLS-7



DUNKIRK LANDFILL
Third Quarter of 2010

ATTACHMENT 3: LABORATORY RECORDS

**Dunkirk Landfill
3rd Quarter 2010 Sampling Event**

**Laboratory Reports
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Laboratory Reports
SDG U1007158
SDG U1007159

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Monitoring Site	Location	Laboratory ID	Sample Delivery Group	Comments
WELLS	DLG1A	001	U1007159	Site List
	DLG2	002	U1007159	Site List
	DLG3	003	U1007159	Site List
	DLG4A	004	U1007159	Site List
	DLG4B	005	U1007159	Site List
	DLG3 DUPE	006	U1007159	Duplicate
	DLG9	UNABLE TO SAMPLE DUE TO OVERGROWTH		
SURFACE WATER	DLS5	001	U1007158	Site List
	DLS6	002	U1007158	Site List
	DLS7	003	U1007158	Site List
	DLS7 DUPE	004	U1007158	Duplicate
	DLS8	DRY	NO SAMPLE TAKEN	Site List

Laboratory Report
SDG U1007158-II

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285

Mr. Jack Heely
Applied Testing and Geosciences, LLC
401 E. Fourth St., Bldg. 12-B
Bridgeport, PA 19405

August 17, 2010

RE: Analytical Report:
Dunkirk Landfill Surface Water

Order No.: U1007158

Dear Mr. Heely:

Upstate Laboratories, Inc. received 4 samples on 7/08/10 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

Samples were analyzed in accordance with the site-specific SAP and Laboratory Plan.


All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,
UPSTATE LABORATORIES, INC.


Anthony J. Scala
President/CEO

Enclosures (on DISK): cover letter, Case Narrative, Equipment Calibration Summary, field data, Level II QC, report, Analytical QC Summary Report, COC Record, copy invoice

cc:

K. Stock, Chautauqua County: copy cover letter, DISK

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

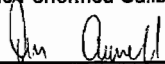
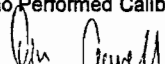
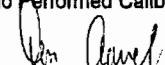

Rochester (866) 437-0255 * New Jersey (908) 581-4285

CASE NARRATIVE

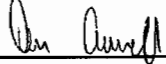
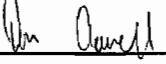
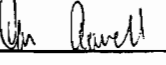
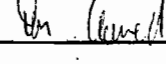
SDG – NA

<u>LOCATION</u>	<u>LAB ID</u>	<u>TYPE OF ANALYSIS</u>
DLS5	U1007158-001	Full Dunkirk List, plus Pb
DLS6	U1007158-002	Full Dunkirk List, plus Pb
DLS7	U1007158-003	Full Dunkirk List, plus Pb
DLS7 DUPE	U1007158-004	Full Dunkirk List, plus Pb
DLS8	Dry – No Sample Taken	

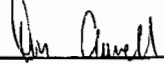
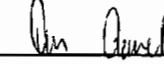
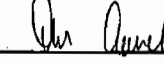
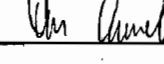
Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
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	DISSOLVED OXYGEN	20.9	100	100	COMPANY
	Location/Description:	20.9	100	100	UPSTATE LABS
	Harmony LF	20.9	100	100	Technician: (print)
		Comments:			DAN AUMELL Title of Technician: Field Tech.
7/8/2010	Instrument Type: IQ180	% O2	%As Found	% As Left	Who Performed Calibration: 
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	Location/Description:	20.9	100	100	UPSTATE LABS
	Dunkirk LF	20.9	100	100	Technician: (print)
		Comments:			DAN AUMELL Title of Technician: Field Tech.
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	DISSOLVED OXYGEN	20.9	100	100	COMPANY
	Location/Description:	20.9	100	100	UPSTATE LABS
	South Stockton LF	20.9	100	100	Technician: (print)
		Comments:			DAN AUMELL Title of Technician: Field Tech.
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		Comments:			DAN AUMELL Title of Technician: Field Tech.

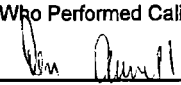
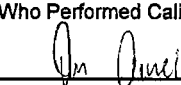
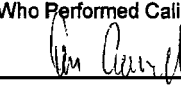
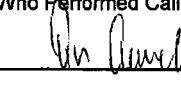
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	PH METER	pH 4	4.04	4.00	COMPANY
	Location/Description:	pH 7	7.06	7.00	UPSTATE LABS
	Harmony LF	pH 10	9.94	10.00	Technician: (print) DAN AUMELL
	Comments:				Title of Technician: Field Tech.
7/7/2010	Instrument Type: IQ180GLP		As Found	As Left	Who Performed Calibration:
	(pH/Flow):				
	PH METER	pH 4	4.03	4.00	COMPANY
	Location/Description:	pH 7	6.96	7.00	UPSTATE LABS
	Harmony LF/ Dunkirk LF	pH 10	10.03	10.00	Technician: (print) DAN AUMELL
	Comments:				Title of Technician: Field Tech.
7/8/2010	Instrument Type: IQ180GLP		As Found	As Left	Who Performed Calibration:
	(pH/Flow):				
	PH METER	pH 4	3.97	4.00	COMPANY
	Location/Description:	pH 7	7.04	7.00	UPSTATE LABS
	Dunkirk LF	pH 10	9.89	10.00	Technician: (print) DAN AUMELL
	Comments:				Title of Technician: Field Tech.
7/9/2010	Instrument Type: IQ180GLP		As Found	As Left	Who Performed Calibration:
	(pH/Flow):				
	PH METER	pH 4	3.97	4.00	COMPANY
	Location/Description:	pH 7	6.95	7.00	UPSTATE LABS
	South Stockton LF/ Ellery LF	pH 10	10.02	10.00	Technician: (print) DAN AUMELL
	Comments:				Title of Technician: Field Tech.

Equipment Calibration Summary

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	Harmony LF	COND. 10000 ms/cm	9566.00	10000.00	Technician: (print) DAN AUMELL
		Comments:			Field Tech.
7/7/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	90.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	978.00	1000.00	UPSTATE LABS
	Harmony LF/ Dunkirk LF	COND. 10000 ms/cm	9558.00	10000.00	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.
7/8/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	96.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	981.00	1000.00	UPSTATE LABS
	Dunkirk LF	COND. 10000 ms/cm	9878.00	10000.00	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.
7/9/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	103.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	992.00	1000.00	UPSTATE LABS
	South Stockton LF/ Ellery LF	COND. 10000 ms/cm	10012.00	10000.00	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.

Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
7/6/2010	Instrument Type:		As Found	As Left	Who Performed Calibration: 
	HANNA TURB. METER	0.1 NTU	0.13	0.1	COMPANY
	Location/Description:	15 NTU	13.9	15	UPSTATE LABS
	Harmony LF	100 NTU	108.6	100	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.
7/7/2010	Instrument Type:		As Found	As Left	Who Performed Calibration: 
	HANNA TURB. METER	0.1 NTU	0.17	0.1	COMPANY
	Location/Description:	15 NTU	14.40	15	UPSTATE LABS
	Harmony LF/ Dunkirk LF	100 NTU	98.6	100	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.
7/8/2010	Instrument Type:		As Found	As Left	Who Performed Calibration: 
	HANNA TURB. METER	0.1 NTU	0.16	0.1	COMPANY
	Location/Description:	15 NTU	14.55	15	UPSTATE LABS
	Dunkirk LF	100 NTU	101.2	100	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.
7/9/2010	Instrument Type: IQ180GLP		As Found	As Left	Who Performed Calibration: 
	HANNA TURB. METER	0.1 NTU	0.15	0.1	COMPANY
	Location/Description:	15 NTU	14.67	15	UPSTATE LABS
	South Stockton LF/ Ellery LF	100 NTU	98.9	100	Technician: (print) DAN AUMELL
		Comments:			Title of Technician: Field Tech.

Upstate Laboratories, Inc.

Tap Water / Surface Water / Wastewater Field Log

Client: Applied Testing

Sampler (print): Dan Annell

Project: Chautauqua Cnty. Dunkirk LF

Signature: Dan Annell

Date: 7/8/10

Location	<u>DLS 8</u>	TIME SAMPLED	<u>11:20am</u>	ULI ID. NO.	
EH	<u> </u> MV	WEATHER CONDITION:	<u>84° Sun / Humid</u>		
TEMPERATURE	<u> </u> C	APPEARANCE / OBSERVATIONS	<u>Dry. No samples obtained.</u>		
PH	<u> </u> STD.UNITS	DO	<u> </u> MG/L		
SPEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE	<u>N/A</u>		
TURB	<u> </u> NTU				

Location	<u>DLS 5</u>	TIME SAMPLED	<u>11:37am</u>	ULI ID. NO.	
EH	<u>265</u> MV	WEATHER CONDITION:	<u>84° Sun / Humid</u>		
TEMPERATURE	<u>24.6°</u> C	MSD			
PH	<u>8.16</u> STD.UNITS	APPEARANCE / OBSERVATIONS	<u>SI Cloudy</u>		
SPEC. CON.	<u>890</u> UMHOS/CM	DO	<u>8.31</u> MG/L		
TURB	<u>12.6</u> NTU	STAFF GAUGE	<u>N/A</u>		

Location	<u>DLS 6</u>	TIME SAMPLED	<u>11:49am</u>	ULI ID. NO.	
EH	<u>186</u> MV	WEATHER CONDITION:	<u>86° Sun / Humid</u>		
TEMPERATURE	<u>24.1°</u> C	MSD			
PH	<u>7.88</u> STD.UNITS	APPEARANCE / OBSERVATIONS	<u>Clear</u>		
SPEC. CON.	<u>637</u> UMHOS/CM	DO	<u>8.53</u> MG/L		
TURB	<u>8.16</u> NTU	STAFF GAUGE	<u>N/A</u>		

Location	<u>DLS 7</u>	TIME SAMPLED	<u>12:28pm</u>	ULI ID. NO.	
EH	<u>226</u> MV	WEATHER CONDITION:	<u>88° Sun / Humid</u>		
TEMPERATURE	<u>29.2°</u> C	<u>Dupe</u>			
PH	<u>9.25</u> STD.UNITS	APPEARANCE / OBSERVATIONS	<u>Clear</u>		
SPEC. CON.	<u>1626</u> UMHOS/CM	DO	<u>7.96</u> MG/L		
TURB	<u>11.3</u> NTU	STAFF GAUGE	<u>N/A</u>		

Location	<u> </u>	TIME SAMPLED	<u> </u>	ULI ID. NO.	
EH	<u> </u> MV	WEATHER CONDITION:	<u> </u>		
TEMPERATURE	<u> </u> C	APPEARANCE / OBSERVATIONS	<u> </u>		
PH	<u> </u> STD.UNITS	DO	<u> </u> MG/L		
SPEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE	<u>N/A</u>		
TURB	<u> </u> NTU				

Location	<u> </u>	TIME SAMPLED	<u> </u>	ULI ID. NO.	
EH	<u> </u> MV	WEATHER CONDITION:	<u> </u>		
TEMPERATURE	<u> </u> C	APPEARANCE / OBSERVATIONS	<u> </u>		
PH	<u> </u> STD.UNITS	DO	<u> </u> MG/L		
SPEC. CON.	<u> </u> UMHOS/CM	STAFF GAUGE	<u>N/A</u>		
TURB	<u> </u> NTU				

Upstate Laboratories, Inc.

6034 Corporate Drive
East Syracuse, New York 13057-1017

Quality Control Report

Report Number: U1007158

Project:

Dunkirk Landfill - Surface Water
Bridgeport, PA

Prepared for:

Mr. Jack Heely
Applied Testing and Geosciences, LLC
401 E. Fourth St., Bldg. 12-B
Bridgeport, PA 19405

Samples Collected:

July 8, 2010

The total number of pages in this data package is: 4

Narrative

1.0 Summary

This report presents the quality control results for four water sample locations collected from Dunkirk Landfill Surface Water project, Bridgeport, Pennsylvania. The samples were analyzed for the parameters listed in Section 3.0, below.

2.0 Chain of Custody

The samples were collected by Upstate Laboratories, Inc. personnel on July 8, 2010, and hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is presented in Report # U1007158.

3.0 Methodology

The analyses were performed using test methods developed by the USEPA under the Resource Conservation & Recovery Act (RCRA) and the Clean Water Act (CWA). The specific method numbers are:

<u>Parameter</u>	<u>Method</u>	<u>Reference</u>
Iron	200.7	(1)
Lead	200.8	(1)
Manganese	200.7	(1)
Sodium	200.7	(1)
Ammonia-Nitrogen	10-107-06-1B	(1)
BOD	SM 5210B	(1)
Chloride	10-117-07-1A	(1)
TDS	SM 2540C	(1)
Nitrite	10-107-04-1C	(1)
COD	410.4	(1)
TOC	SM 5310B	(1)

Reference:

(1) Methods for the Chemical Analysis of Water and Waste", USEPA, Environmental Monitoring Systems Laboratory, Cincinnati, EPA 600/4-79-020, revised March 1993

4.0 Quality Control

Quality control data includes method blanks, reference samples, matrix spikes, duplicates and surrogate recoveries. The association of QC data with sample data is made through the use of the "File No." found on both the final report pages and the QC summary pages.

5.0 Internal Validation

The following observations are offered:

Trace Metals

Holding Time : Criteria were satisfied.

Calibration : The CCV3 and CCV4 recoveries for Iron, Manganese and Sodium were above QC acceptance limits for analytical sequence R53827. The final CRDL Standard recovery for Manganese was above QC acceptance limits for analytical sequence R53827. The CCV1 and CCV4 recoveries for Lead were above QC acceptance limits for analytical sequence R53330. All other criteria were satisfied.

Method Blanks : Criteria were satisfied.

Reference Samples : Criteria were satisfied.

Matrix Spike : The MS recovery for Sodium was above QC acceptance limits for the MS performed on sample location DLS6. All other criteria were satisfied.

Duplicate : Criteria were satisfied.

Wet Chemistry

Holding Time : Sample location DLS6 was reanalyzed for Nitrite over method holding time. However, the original analysis was performed within method holding time. All other criteria were satisfied.

Calibration : Several CCV recoveries for Chloride were above QC acceptance limits for analytical sequence R53263. All other criteria were satisfied.

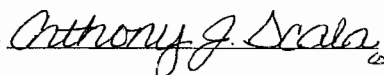
Method Blanks : Criteria were satisfied.

Reference Samples : Criteria were satisfied.

Matrix Spike : Criteria were satisfied.

Duplicate : The Duplicate %RPD for COD was outside QC acceptance limits for the Duplicate performed on sample location DLS6. The concentration of COD was less than 5X the PQL; therefore, the data should be considered valid. All other criteria were satisfied.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and/or in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Approved 

Anthony J. Scala, Director

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC
 Lab Order: U1007158
 Project: Dunkirk Landfill Surface Water
 Lab ID: U1007158-001

Client Sample ID: DLS5
 Collection Date: 7/8/2010 11:37:00 AM
 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
			FIELD	Analyst:		
Conductivity	890	1.0		umhos/cm		7/8/2010 11:37:00 AM
Dissolved Oxygen	8.31	0.10		mg/L		7/8/2010 11:37:00 AM
Eh	265	-300		mV		7/8/2010 11:37:00 AM
pH	8.16	2-12.5		SU		7/8/2010 11:37:00 AM
Temperature	24.6			degC		7/8/2010 11:37:00 AM
Turbidity	12.6	5.0		NTU		7/8/2010 11:37:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT	(E200.7)	Analyst: ALW	
Iron	0.60	0.030	Q	mg/L	1	8/2/2010 1:16:34 PM
Manganese	0.54	0.020	Q	mg/L	1	8/2/2010 1:16:34 PM
Sodium	100	0.50	Q	mg/L	1	8/2/2010 1:16:34 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005			200.8	(E200.8)	Analyst: DEY	
Lead	0.001	0.001		mg/L	1	7/16/2010
BOD, 5 DAY BY SM 18-20 5210B (01)			BOD	Analyst: GWL		
Biochemical Oxygen Demand	5.0	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO	Analyst: TCB		
Chloride	122	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0			COD	Analyst: TCB		
Chemical Oxygen Demand	20	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO	Analyst: KAB		
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C			NO2_W	Analyst: TCB		
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)			TDS	Analyst: NKA		
Residue, Dissolved (TDS)	650	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)			TOC_W	Analyst: VAW		
Organic Carbon, Total	5.5	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 1 of 4

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLS6
Lab Order: U1007158 **Collection Date:** 7/8/2010 11:49:00 AM
Project: Dunkirk Landfill Surface Water
Lab ID: U1007158-002 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FIELD		Analyst:
Conductivity	637	1.0		umhos/cm		7/8/2010 11:49:00 AM
Dissolved Oxygen	8.53	0.10		mg/L		7/8/2010 11:49:00 AM
Eh	186	-300		mV		7/8/2010 11:49:00 AM
pH	7.88	2-12.5		SU		7/8/2010 11:49:00 AM
Temperature	24.1			degC		7/8/2010 11:49:00 AM
Turbidity	8.16	5.0		NTU		7/8/2010 11:49:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005				200.7WT	(E200.7)	Analyst: ALW
Iron	1.2	0.030	Q	mg/L	1	8/2/2010 1:25:27 PM
Manganese	0.73	0.020	Q	mg/L	1	8/2/2010 1:25:27 PM
Sodium	66	0.50	Q	mg/L	1	8/2/2010 1:25:27 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005				200.8	(E200.8)	Analyst: DEY
Lead	0.002	0.001		mg/L	1	7/16/2010
BOD, 5 DAY BY SM 18-20 5210B (01)				BOD		Analyst: GWL
Biochemical Oxygen Demand	4.0	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A				CL_W_AUTO		Analyst: TCB
Chloride	101	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0				COD		Analyst: TCB
Chemical Oxygen Demand	20	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B				NH3_W_AUTO		Analyst: KAB
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C				NO2_W		Analyst: TCB
Nitrogen, Nitrite (as N)	ND	0.050	H	mg/L	1	7/10/2010 12:41:00 PM
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
TDS BY SM 18-21 2540C (97)				TDS		Analyst: NKA
Residue, Dissolved (TDS)	370	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)				TOC_W		Analyst: VAW
Organic Carbon, Total	4.4	3.0		mg/L	1	7/12/2010

Approved By: *PH*

Date: *8-17-10*

Page 2 of 4

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLS7
Lab Order: U1007158 **Collection Date:** 7/8/2010 12:28:00 PM
Project: Dunkirk Landfill Surface Water
Lab ID: U1007158-003 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	1626	1.0		umhos/cm		7/8/2010 12:28:00 PM
Dissolved Oxygen	7.96	0.10		mg/L		7/8/2010 12:28:00 PM
Eh	226	-300		mV		7/8/2010 12:28:00 PM
pH	9.25	2-12.5		SU		7/8/2010 12:28:00 PM
Temperature	29.2			degC		7/8/2010 12:28:00 PM
Turbidity	11.3	5.0		NTU		7/8/2010 12:28:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT		(E200.7)	
Iron	2.2	0.030	Q	mg/L	1	8/2/2010 2:06:43 PM
Manganese	0.48	0.020	Q	mg/L	1	8/2/2010 2:06:43 PM
Sodium	3.2	0.50	Q	mg/L	1	8/2/2010 2:06:43 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005			200.8		(E200.8)	
Lead	0.005	0.001	Q	mg/L	1	7/16/2010
BOD, 5 DAY BY SM 18-20 5210B (01)			BOD		Analyst: GWL	
Biochemical Oxygen Demand	5.0	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO		Analyst: TCB	
Chloride	3.65	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0			COD		Analyst: TCB	
Chemical Oxygen Demand	44	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO		Analyst: KAB	
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C			NO2_W		Analyst: TCB	
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)			TDS		Analyst: NKA	
Residue, Dissolved (TDS)	120	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)			TOC_W		Analyst: VAW	
Organic Carbon, Total	17.4	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 3 of 4

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLS7 DUPE
Lab Order: U1007158 **Collection Date:** 7/8/2010 12:28:00 PM
Project: Dunkirk Landfill Surface Water
Lab ID: U1007158-004 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: ALW
Iron	2.2	0.030	Q	mg/L	1	8/2/2010 2:11:49 PM
Manganese	0.45	0.020	Q	mg/L	1	8/2/2010 2:11:49 PM
Sodium	3.2	0.50	Q	mg/L	1	8/2/2010 2:11:49 PM
ICP-MS METALS, TOTALS BY NYSDEC ASP 2005						
				200.8	(E200.8)	Analyst: DEY
Lead	0.005	0.001	Q	mg/L	1	7/16/2010
BOD, 5 DAY BY SM 18-20 5210B (01)						
				BOD		Analyst: GWL
Biochemical Oxygen Demand	6.0	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: TCB
Chloride	3.58	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: TCB
Chemical Oxygen Demand	56	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: KAB
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C						
				NO2_W		Analyst: TCB
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: NKA
Residue, Dissolved (TDS)	120	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: VAW
Organic Carbon, Total	14.5	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 4 of 4

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 19-Aug-10

CLIENT: Applied Testing and Geosciences, LLC
 Work Order: U1007158
 Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7WT

Sample ID: MB-22678	SampType: MBLK	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53827					
Client ID: ZZZZ	Batch ID: 22678	TestName: ICP Metals, Totals by NYSDEC ASP 2005			Analysis Date: 8/2/2010	SeqNo: 1079214					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Iron	ND	0.030									
Manganese	ND	0.020									
Sodium	ND	0.50									

Sample ID: LCS-22678	SampType: LCS	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53827					
Client ID: ZZZZ	Batch ID: 22678	TestName: ICP Metals, Totals by NYSDEC ASP 2005			Analysis Date: 8/2/2010	SeqNo: 1079215					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Iron	24.10	0.030	22	0	110	80	120				
Manganese	2.169	0.020	2	0	108	80	120				
Sodium	53.85	0.50	52	0.2041	103	80	120				

Sample ID: U1007158-002CMS	SampType: MS	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53827					
Client ID: DLS6	Batch ID: 22678	TestName: ICP Metals, Totals by NYSDEC ASP 2005			Analysis Date: 8/2/2010	SeqNo: 1079238					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Iron	27.05	0.030	22	1.214	117	75	125				
Manganese	2.994	0.020	2	0.7287	113	75	125				
Sodium	134.2	0.50	52	66.4	130	75	125				S

Sample ID: U1007157-004DDUP	SampType: DUP	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53827					
Client ID: ZZZZ	Batch ID: 22678	TestName: ICP Metals, Totals by NYSDEC ASP 2005			Analysis Date: 8/2/2010	SeqNo: 1079220					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Iron	0.1896	0.030						0.1789	5.83	20	
Manganese	0.1694	0.020						0.1795	5.79	20	
Sodium	15.06	0.50						15.99	6.03	20	

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 H Holding times for preparation or analysis exceeded
 Q Outlying QC recoveries were associated with this parameter
 B Analyte detected in the associated Method Blank
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007158

Project: Dunkirk Landfill Surface Water

TestCode: 200.7WT

Sample ID: U1007157-007DDUP	SampType: DUP	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53827			
Client ID: ZZZZZ	Batch ID: 22678	TestName: ICP Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 8/2/2010	SeqNo: 1079227			
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Iron	3.994	0.030			3.825	4.34	20
Manganese	9.384	0.020			9.352	0.350	20
Sodium	149.4	0.50			140.1	6.47	20

Sample ID: U1007158-002CDUP	SampType: DUP	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53827			
Client ID: DLS6	Batch ID: 22678	TestName: ICP Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 8/2/2010	SeqNo: 1079235			
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Iron	1.347	0.030			1.214	10.4	20
Manganese	0.7745	0.020			0.7287	6.10	20
Sodium	72.08	0.50			66.4	8.20	20

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: 200.8

Sample ID: MB-22686	SampType: MBLK	TestCode: 200.8	(200.8TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53330
Client ID: ZZZZZ	Batch ID: 22686	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/16/2010	SeqNo: 1066604
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val
	ND	0.0010				
				%RPD	RPDLimit	Qual

Sample ID: LCS-22686	SampType: LCS	TestCode: 200.8	(200.8TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53330
Client ID: ZZZZZ	Batch ID: 22686	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/16/2010	SeqNo: 1066605
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val
	0.02000	0.0010	0.02	0	80	120
				%RPD	RPDLimit	Qual

Sample ID: U1007158-002CMS	SampType: MS	TestCode: 200.8	(200.8TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53330
Client ID: DLS6	Batch ID: 22686	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/16/2010	SeqNo: 1066632
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val
	0.01997	0.0010	0.02	0.001841	75	125
				%RPD	RPDLimit	Qual

Sample ID: U1007157-004DDUP	SampType: DUP	TestCode: 200.8	(200.8TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53330
Client ID: ZZZZZ	Batch ID: 22686	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/16/2010	SeqNo: 1066610
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val
	ND	0.0010			0	0
				%RPD	RPDLimit	Qual

Sample ID: U1007157-007DDUP	SampType: DUP	TestCode: 200.8	(200.8TPR)	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53330
Client ID: ZZZZZ	Batch ID: 22686	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/16/2010	SeqNo: 1066617
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val
	ND	0.0010			0	0
				%RPD	RPDLimit	Qual

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007158

Project: Dunkirk Landfill Surface Water

TestCode: 200.8

Sample ID: U1007158-002CDUP	SampType: DUP	TestCode: 200.8	Units: mg/L	Prep Date: 7/12/2010	RunNo: 53330						
Client ID: DLS6	Batch ID: 22686	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005				SeqNo: 1066625					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead

0.001983 0.0010

0.001841

7.43 20

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- H Holding times for preparation or analysis exceeded
- Q Outlying QC recoveries were associated with this parameter
- B Analytic detected in the associated Method Blank
- J Analytic detected below quantitation limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
 Work Order: U1007158
 Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

BatchID: R53827

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079213		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.0050					
Calcium	ND	0.50					
Iron	ND	0.030					
Magnesium	ND	0.50					
Manganese	ND	0.020					
Potassium	ND	0.50					
Sodium	ND	0.50					

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827				
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079225				
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.0050							
Calcium	ND	0.50							
Iron	ND	0.030							
Magnesium	ND	0.50							
Manganese	ND	0.020							
Potassium	ND	0.50							
Sodium	ND	0.50							

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827				
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079237				
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.0050							
Calcium	ND	0.50							
Iron	ND	0.030							
Magnesium	ND	0.50							
Manganese	ND	0.020							

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158

Project: Dunkirk Landfill Surface Water

BatchID: R53827

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827						
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 8/2/2010	SeqNo: 1079237						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Potassium ND 0.50
 Sodium ND 0.50

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827						
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 8/2/2010	SeqNo: 1079249						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium ND 0.0050
 Calcium ND 0.50
 Iron ND 0.030
 Magnesium ND 0.50
 Manganese ND 0.020
 Potassium ND 0.50
 Sodium ND 0.50

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827						
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 8/2/2010	SeqNo: 1079212						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium 1.053 0.0050 1 0 0 105 90 110
 Calcium 20.34 0.50 20 0 0 102 90 110
 Iron 8.141 0.030 8 0 0 102 90 110
 Magnesium 19.74 0.50 20 0 0 98.7 90 110
 Manganese 1.237 0.020 1.2 0 0 103 90 110
 Potassium 20.42 0.50 20 0 0 102 90 110
 Sodium 19.89 0.50 20 0 0 99.4 90 110

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

BatchID: R53827

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079224		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	1.074	0.0050	1	0	107	90	110
Calcium	21.06	0.50	20	0	105	90	110
Iron	8.312	0.030	8	0	104	90	110
Magnesium	20.10	0.50	20	0	100	90	110
Manganese	1.282	0.020	1.2	0	107	90	110
Potassium	21.42	0.50	20	0	107	90	110
Sodium	20.54	0.50	20	0	103	90	110

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079236		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	1.181	0.0050	1	0	118	90	110
Calcium	22.78	0.50	20	0	114	90	110
Iron	9.203	0.030	8	0	115	90	110
Magnesium	22.39	0.50	20	0	112	90	110
Manganese	1.368	0.020	1.2	0	114	90	110
Potassium	22.99	0.50	20	0	115	90	110
Sodium	22.72	0.50	20	0	114	90	110

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079248		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	1.179	0.0050	1	0	118	90	110
Calcium	23.52	0.50	20	0	118	90	110
Iron	9.198	0.030	8	0	115	90	110
Magnesium	22.42	0.50	20	0	112	90	110
Manganese	1.413	0.020	1.2	0	118	90	110
Potassium	24.36	0.50	20	0	122	90	110
Sodium	22.87	0.50	20	0	114	90	110

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

BatchID: R53827

Sample ID: CRI	SampType: CRI	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 8/2/2010	SeqNo: 1079211

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.01122	0.0050	0.01	0	112	50	150				
Calcium	0.5498	0.50									
Iron	ND	0.030									
Magnesium	ND	0.50									
Manganese	0.03640	0.020	0.03	0	121	70	130				
Potassium	ND	0.50									
Sodium	ND	0.50									

Sample ID: CRI	SampType: CRI	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 8/2/2010	SeqNo: 1079247

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.01175	0.0050	0.01	0	118	50	150				
Calcium	0.6325	0.50									
Iron	ND	0.030									
Magnesium	ND	0.50									
Manganese	0.04100	0.020	0.03	0	137	70	130				S
Potassium	ND	0.50									
Sodium	ND	0.50									

Sample ID: ICB	SampType: ICB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 8/2/2010	SeqNo: 1079208

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.0050									
Calcium	ND	0.50									
Iron	ND	0.030									
Magnesium	ND	0.50									
Manganese	ND	0.020									
Potassium	ND	0.50									
Sodium	ND	0.50									

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

BatchID: R53827

Sample ID: ICV	SampType: ICV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079207		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.2638	0.0050	0.25	0	106	90	110
Calcium	12.54	0.50	12.5	0	100	90	110
Iron	5.225	0.030	5	0	105	90	110
Magnesium	12.47	0.50	12.5	0	99.8	90	110
Manganese	0.8224	0.020	0.75	0	110	90	110
Potassium	12.63	0.50	12.5	0	101	90	110
Sodium	11.99	0.50	12.5	0	95.9	90	110

Sample ID: ICSA	SampType: ICSA	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079209		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.0050					
Calcium	587.5	0.50	500	0	118	80	120
Iron	211.1	0.030	200	0	106	80	120
Magnesium	565.4	0.50	500	0	113	80	120
Manganese	ND	0.020					
Potassium	ND	0.50					
Sodium	0.6815	0.50					

Sample ID: ICSA	SampType: ICSA	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079245		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.0050					
Calcium	590.8	0.50	500	0	118	80	120
Iron	195.0	0.030	200	0	97.5	80	120
Magnesium	515.4	0.50	500	0	103	80	120
Manganese	ND	0.020					
Potassium	ND	0.50					
Sodium	0.9113	0.50					

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

BatchID: R53827

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079210		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.9787	0.0050	1	0	97.9	80	120
Calcium	543.8	0.50	500	0	109	80	120
Iron	186.1	0.030	200	0	93.1	80	120
Magnesium	493.4	0.50	500	0	98.7	80	120
Manganese	0.4969	0.020	0.5	0	99.4	80	120
Potassium	ND	0.50					
Sodium	1.076	0.50					

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53827		
Client ID: ZZZZZ	Batch ID: R53827	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 8/2/2010	SeqNo: 1079246		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Cadmium	1.168	0.0050	1	0	117	80	120
Calcium	671.1	0.50	500	0	134	80	120
Iron	221.7	0.030	200	0	111	80	120
Magnesium	587.6	0.50	500	0	118	80	120
Manganese	0.5840	0.020	0.5	0	117	80	120
Potassium	ND	0.50					
Sodium	1.596	0.50					

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 19-Aug-10

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

BatchID: R53330

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066603
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chromium	ND	0.0050		HighLimit	RPDLimit
Lead	ND	0.0010		RPD Ref Val	Qual

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066615
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chromium	ND	0.0050		HighLimit	RPDLimit
Lead	ND	0.0010		RPD Ref Val	Qual

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066628
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chromium	ND	0.0050		HighLimit	RPDLimit
Lead	ND	0.0010		RPD Ref Val	Qual

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066641
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chromium	ND	0.0050		HighLimit	RPDLimit
Lead	ND	0.0010		RPD Ref Val	Qual

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066602
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chromium	0.02893	0.0050	0.025	HighLimit	RPDLimit
			0	RPD Ref Val	Qual
			116		
			90		
			110		S

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158

Project: Dunkirk Landfill Surface Water

BatchID: R53330

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	Analysis Date: 7/16/2010	SeqNo: 1066602							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.02758	0.0010	0.025	0	110	90	110				S

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	Analysis Date: 7/16/2010	SeqNo: 1066614							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.03063	0.0050	0.025	0	123	90	110				S
Lead	0.02724	0.0010	0.025	0	109	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	Analysis Date: 7/16/2010	SeqNo: 1066627							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.03304	0.0050	0.025	0	132	90	110				S
Lead	0.02679	0.0010	0.025	0	107	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	Analysis Date: 7/16/2010	SeqNo: 1066640							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.03345	0.0050	0.025	0	134	90	110				S
Lead	0.02778	0.0010	0.025	0	111	90	110				S

Sample ID: CRI	SampType: CRI	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	Analysis Date: 7/16/2010	SeqNo: 1066599							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	0.0050	0.005	0	96.6	70	130				
Lead	0.005133	0.0010	0.005	0	103	70	130				

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 H Holding times for preparation or analysis exceeded
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

BatchID: R53330

Sample ID: CRI	SampType: CRI	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/16/2010	SeqNo: 1066626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	0.006278	0.0050	0.005	0	126	70	130				
Lead	0.005032	0.0010	0.005	0	101	70	130				

Sample ID: CRI	SampType: CRI	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/16/2010	SeqNo: 1066637						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	0.006509	0.0050	0.005	0	130	70	130				S
Lead	0.005018	0.0010	0.005	0	100	70	130				

Sample ID: ICB	SampType: ICB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/16/2010	SeqNo: 1066598						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	ND	0.0050									
Lead	ND	0.0010									

Sample ID: ICV	SampType: ICV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/16/2010	SeqNo: 1066597						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	0.02202	0.0050	0.02	0	110	90	110				
Lead	0.02020	0.0010	0.02	0	101	90	110				

Sample ID: ICSA	SampType: ICSA	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330						
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/16/2010	SeqNo: 1066600						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	ND	0.0050									
Lead	ND	0.0010									

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

BatchID: R53330

Sample ID: ICSA	SampType: ICSA	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330		
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066638		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	0.0050					
Lead	ND	0.0010					

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330		
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066601		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Chromium	0.01149	0.0050	0.01	0	115	80	120
Lead	ND	0.0010					

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 53330		
Client ID: ZZZZZ	Batch ID: R53330	TestName: ICP-MS Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/16/2010	SeqNo: 1066639		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Chromium	0.01300	0.0050	0.01	0	130	80	120
Lead	ND	0.0010					S

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 19-Aug-10

CLIENT: Applied Testing and Geosciences, LLC
 Work Order: U1007158
 Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: BOD

Sample ID: MB-R53234	Sample Type: MBLK	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064310
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	ND	4.0	LowLimit	HighLimit	RPDLimit
			84	114	Qual

Sample ID: LCS-R53234	Sample Type: LCS	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064311
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	188.0	4.0	200	0	84
			94.0	114	Qual

Sample ID: U1007159-005ADUP	Sample Type: DUP	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064434
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	ND	4.0	LowLimit	HighLimit	RPDLimit
			0	0	20

Sample ID: U1007158-002ADUP	Sample Type: DUP	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: DLS6	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064438
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	ND	4.0	LowLimit	HighLimit	RPDLimit
			4	0	20

Sample ID: U1007189-004ADUP	Sample Type: DUP	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064452
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	4.000	4.0	LowLimit	HighLimit	RPDLimit
			0	200	20
					R

Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: CL_W_AUTO

Sample ID: U1007158-002AMS	SampType: MS	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263						
Client ID: DLS6	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064909						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	155.0	1.00	60	101	90.0	51.5	156				Q

Sample ID: U1007157-004ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263						
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064891						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	28.00	1.00						27.8	0.717		15

Sample ID: U1007158-002ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263						
Client ID: DLS6	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064908						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	101.0	1.00						101	0		15

Sample ID: U1007159-005ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263						
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064932						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	73.60	1.00						72.2	1.92		15

Sample ID: U1007189-004ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263						
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064943						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	152.0	1.00						154	1.31		15

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: CL_W_AUTO

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

Sample ID: CCB1	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064896
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chloride	ND	1.00			

Sample ID: CCB2	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064907
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chloride	ND	1.00			

Sample ID: CCB3	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064918
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chloride	ND	1.00			

Sample ID: CCB4	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064942
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chloride	ND	1.00			

Sample ID: CCB5	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064955
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chloride	ND	1.00			

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT
TestCode: CL_W_AUTO

Sample ID: CCB6	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064964
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00	75	0	110
			LowLimit	HighLimit	RPDLimit
			90	110	Q

Sample ID: CCV	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064885
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	80.20	1.00	75	0	110
			LowLimit	HighLimit	RPDLimit
			90	110	Q

Sample ID: CCV1	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064895
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	81.40	1.00	75	0	110
			LowLimit	HighLimit	RPDLimit
			90	110	Q

Sample ID: CCV2	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064906
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	82.70	1.00	75	0	110
			LowLimit	HighLimit	RPDLimit
			90	110	SQ

Sample ID: CCV3	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064917
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	82.50	1.00	75	0	110
			LowLimit	HighLimit	RPDLimit
			90	110	SQ

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: CL_W_AUTO

Sample ID: CCV4	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263			
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064941			
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual	
Chloride	83.10	1.00	75	0	111	90	110	SQ

Sample ID: CCV5	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263			
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064954			
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual	
Chloride	82.10	1.00	75	0	109	90	110	SQ

Sample ID: CCV6	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263			
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064963			
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual	
Chloride	82.66	1.00	75	0	110	90	110	SQ

Sample ID: ICB	SampType: ICB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263			
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064884			
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual	
Chloride	ND	1.00						

Sample ID: ICV	SampType: ICV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263			
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064883			
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual	
Chloride	121.0	1.00	127	0	95.3	86	113	

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: COD

Sample ID: MB-R53437	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068985
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	ND	20			%RPD RPDLimit Qual

Sample ID: MB-R53437	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069017
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	ND	20			%RPD RPDLimit Qual

Sample ID: LCS-R53437	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068986
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	86.70	20	107	76	124

Sample ID: LCS-R53437	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069018
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	77.42	20	95.1	76	124

Sample ID: U1007158-002BMS	SampType: MS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: DLS6	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068994
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	68.91	20	97.6	60	140

Qualifiers:	#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: COD

Sample ID: U1007158-002BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: DLS6	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068993
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20		20.1	0
					15

Sample ID: U1007159-005BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069004
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	45.35	20		47.98	5.64
					15

Sample ID: U1007189-004BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069013
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	48.89	20		0	200
					15

Sample ID: U1007207-011CDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069033
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20		0	0
					15

Sample ID: U1007253-008BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069048
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20		0	0
					15

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: COD

Sample ID: CCB1	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069000
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20			

Sample ID: CCB2	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069016
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20			

Sample ID: CCB3	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069030
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20			

Sample ID: CCB4	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069042
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20			

Sample ID: CCB5	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069056
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Chemical Oxygen Demand	ND	20			

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: COD

Sample ID: CCV1	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068999
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	79.81	20	106	80	120
			0		
					%RPD
					RPDLimit
					Qual

Sample ID: CCV2	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069015
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	79.91	20	107	80	120
			0		
					%RPD
					RPDLimit
					Qual

Sample ID: CCV3	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069029
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	78.77	20	105	80	120
			0		
					%RPD
					RPDLimit
					Qual

Sample ID: CCV4	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069041
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	78.02	20	104	80	120
			0		
					%RPD
					RPDLimit
					Qual

Sample ID: CCV5	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069055
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	77.72	20	104	80	120
			0		
					%RPD
					RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: COD

Sample ID: ICB	SampType: ICB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068984
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val

Chemical Oxygen Demand	ND	20	80	120	Qual
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Sample ID: ICV	SampType: ICV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068983
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val

Chemical Oxygen Demand	100.9	20	101	80	120
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Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NH3_W_AUTO

Sample ID: U1007158-002BMS	SampType: MS	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: DLS6	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063301
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	9.790	0.500	97.9	75	125
					%RPD
					RPDLimit
					Qual

Sample ID: U1006602-006BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063221
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500		0	0
					0
					10

Sample ID: U1007157-004BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063283
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500		0	0
					0
					10

Sample ID: U1007157-007BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063290
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500		0	0
					0
					10

Sample ID: U1007158-002BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: DLS6	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063300
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500		0	0
					0
					10

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

TestCode: NH3_W_AUTO

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

Sample ID: U1007159-005BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063309
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	4.450	0.500		4.39	1.36
					10

Sample ID: CCB1	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063228
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB2	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063249
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB3	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063261
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB4	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063275
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	ND	0.500			

Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: UI007158
Project: Dunkirk Landfill Surface Water

TestCode: NH3_W_AUTO

Sample ID: CCB5	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063287
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val		%RPD RPDLimit Qual

Nitrogen, Ammonia (As N) ND 0.500

Sample ID: CCB6	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063299
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val		%RPD RPDLimit Qual

Nitrogen, Ammonia (As N) ND 0.500

Sample ID: CCB7	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063311
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val		%RPD RPDLimit Qual

Nitrogen, Ammonia (As N) ND 0.500

Sample ID: CCB8	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063321
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val		%RPD RPDLimit Qual

Nitrogen, Ammonia (As N) ND 0.500

Sample ID: CCB9	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063330
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val		%RPD RPDLimit Qual

Nitrogen, Ammonia (As N) ND 0.500

Qualifiers:

#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158

Project: Dunkirk Landfill Surface Water

TestCode: NH3_W_AUTO

Sample ID: CCV	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063216
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	7.600	0.500	7.5	0	101
			90	110	

Sample ID: CCV1	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063227
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	7.620	0.500	7.5	0	102
			90	110	

Sample ID: CCV2	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063248
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	7.700	0.500	7.5	0	103
			90	110	

Sample ID: CCV3	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063260
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	7.700	0.500	7.5	0	103
			90	110	

Sample ID: CCV4	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063274
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	7.720	0.500	7.5	0	103
			90	110	

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NH3_W_AUTO

Sample ID: CCV5	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063286
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.700	0.500	103	90	110
			SPK value	SPK Ref Val	%RPD
			7.5	0	RPDLimit
					Qual

Sample ID: CCV6	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063298
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.520	0.500	100	90	110
			SPK value	SPK Ref Val	%RPD
			7.5	0	RPDLimit
					Qual

Sample ID: CCV7	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063310
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.630	0.500	102	90	110
			SPK value	SPK Ref Val	%RPD
			7.5	0	RPDLimit
					Qual

Sample ID: CCV8	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063320
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.610	0.500	101	90	110
			SPK value	SPK Ref Val	%RPD
			7.5	0	RPDLimit
					Qual

Sample ID: CCV9	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063329
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.480	0.500	99.7	90	110
			SPK value	SPK Ref Val	%RPD
			7.5	0	RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NH3_W_AUTO

Sample ID: ICB	SampType: ICB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063215
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: ICV	SampType: ICV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063214
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Ammonia (As N)	5.470	0.500	103	73	128

Qualifiers:	#	Description	E	Value	Range
H		Accreditation not offered by NYS DOH for this parameter			
H		Holding times for preparation or analysis exceeded	ND		Not Detected at the Reporting Limit
Q		Outlying QC recoveries were associated with this parameter	S		Spike Recovery outside accepted recovery limits
B		Analyte detected in the associated Method Blank			
J		Analyte detected below quantitation limits			
R		RPD outside accepted recovery limits			

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NO2_W

Sample ID: U1007158-002AMS	SampType: MS	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: DLS6	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065208
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	0.9830	0.0500	98.3	70	120
					H

Sample ID: U1007157-007ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065181
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500		0	20
					H

Sample ID: U1007159-005ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065184
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500		0	20
					H

Sample ID: U1007157-004ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065204
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500		0	20
					H

Sample ID: U1007158-002ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: DLS6	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065207
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500		0	20
					H

Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: UI007158
Project: Dunkirk Landfill Surface Water

TestCode: NO2_W

Sample ID: CCB4	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1065159
Analyte	Result	PQL	LowLimit	HighLimit	RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB5	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1065163
Analyte	Result	PQL	LowLimit	HighLimit	RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB2	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065194
Analyte	Result	PQL	LowLimit	HighLimit	RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB3	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065211
Analyte	Result	PQL	LowLimit	HighLimit	RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB4	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065216
Analyte	Result	PQL	LowLimit	HighLimit	RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NO2_W

Sample ID: CCV1	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1062231
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Nitrite (as N)	1.060	0.0500	1	0	106
			90	110	

Sample ID: CCV2	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1062285
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Nitrite (as N)	1.060	0.0500	1	0	106
			90	110	

Sample ID: CCV3	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1062306
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Nitrite (as N)	1.070	0.0500	1	0	107
			90	110	

Sample ID: CCV4	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1065158
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Nitrite (as N)	1.080	0.0500	1	0	108
			90	110	

Sample ID: CCV5	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1065162
Analyte	Result	PQL	LowLimit	RPD Ref Val	%RPD
Nitrogen, Nitrite (as N)	1.080	0.0500	1	0	108
			90	110	

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NO2_W

Sample ID: CCV	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065179
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.070	0.0500	1	0	107
			HighLimit	RPD Ref Val	%RPD
			90	110	RPDLimit
					Qual

Sample ID: CCV2	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065193
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.080	0.0500	1	0	108
			HighLimit	RPD Ref Val	%RPD
			90	110	RPDLimit
					Qual

Sample ID: CCV3	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065210
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.090	0.0500	1	0	109
			HighLimit	RPD Ref Val	%RPD
			90	110	RPDLimit
					Qual

Sample ID: CCV4	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065214
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.090	0.0500	1	0	109
			HighLimit	RPD Ref Val	%RPD
			90	110	RPDLimit
					Qual

Sample ID: ICB	SampType: ICB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065176
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	ND	0.0500			
			HighLimit	RPD Ref Val	%RPD
					RPDLimit
					Qual

Qualifiers:	#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: NO2_W

Sample ID: ICV	SampType: ICV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1062228
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Nitrogen, Nitrite (as N)	0.4880	0.0500	0.505	0	96.6
				HighLimit	RPDLimit
				85	115

Sample ID: ICV	SampType: ICV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065175
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Nitrogen, Nitrite (as N)	0.4950	0.0500	0.505	0	98.0
				HighLimit	RPDLimit
				85	115

Qualifiers:	#	Description	E	Value above quantitation range
H		Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank
Q		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
		Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits
			S	Spike Recovery outside accepted recovery limits
			ND	Not Detected at the Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: TDS

Sample ID: MB-R53242	SampType: MBLK	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064497
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	ND	25			

Sample ID: LCS-R53242	SampType: LCS	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064498
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	770.0	25	79.4	122.7	

Sample ID: U1007157-004ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064504
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	180.0	25		190	5.41

Sample ID: U1007157-007ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064508
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	1620	25		1630	0.615

Sample ID: U1007158-002ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: DLS6	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064515
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	380.0	25		372.5	1.99

Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: TDS

Sample ID: U1007159-005ADUP	Batch ID: R53242	Units: mg/L	RunNo: 53242
Client ID: ZZZZZ	TestName: TDS by SM 18-21 2540C (97)	Prep Date:	SeqNo: 1064523
Analyte	Result	%REC	%RPD
Residue, Dissolved (TDS)	492.5	LowLimit: 25	RPDLimit: 25
		HighLimit: 482.5	RPDLimit: 25

Qualifiers:	#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H		Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q		Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: TOC_W

Sample ID: U1007158-002DMS	SampType: MS	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: DLS6	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064787
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	15.16	3.00	108	60	130
			4.371		

Sample ID: U1007157-004FDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064771
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	4.251	3.00		4.179	1.71
					15

Sample ID: U1007157-007FDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064776
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00		0	0
					15

Sample ID: U1007158-002DDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: DLS6	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064786
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	4.525	3.00		4.371	3.46
					15

Sample ID: U1007159-005DDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064797
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	10.80	3.00		9.147	16.6
					15

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: TOC_W

Sample ID: CCB1	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064780
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00			

Sample ID: CCB2	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064794
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00			

Sample ID: CCB3	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064810
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00			

Sample ID: CCB4	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064822
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00			

Sample ID: CCV1	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064779
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	20.12	3.00	101	78	122

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007158
Project: Dunkirk Landfill Surface Water

TestCode: TOC_W

Sample ID: CCV2	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064793
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	51.10	3.00	50	0	78
			102	122	122

Sample ID: CCV3	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064809
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	19.81	3.00	20	0	78
			99.0	122	122

Sample ID: CCV4	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064821
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	50.82	3.00	50	0	78
			102	122	122

Sample ID: ICB	SampType: ICB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064764
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00			

Sample ID: ICV	SampType: ICV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064763
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	43.98	3.00	43.5	0	83
			101	118	118

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
 Phone (315) 437 0255

Fax (315) 437 1209

Chain of Custody Record

Client Contact:		Project # Project Name		Number of Containers										Remarks																																																																																
APPLIED TESTING	Phone #	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only	1	2	3	4	5	6	7	8	9	10	Remarks																																																																													
JACK HEELY	(610) 313-3227																Level II																																																																													
DUNKIRK LANDFILL SURFACE WATER		BRIDGEPORT, PA																																																																																												
DLS5		7/8/10	11:37 am	WATER	GRAB	ULI 1007/58	X	X	X	X	X																																																																																			
DLS6		7/8/10	11:49 am	WATER	GRAB		X	X	X	X	X						MSD																																																																													
DLS7		7/8/10	12:28 pm	WATER	GRAB		X	X	X	X	X																																																																																			
DLS8		7/8/10	11:20 am	WATER	GRAB		X	X	X	X	X						Dry																																																																													
MS/MSD																																																																																														
Pipe DLS 17		7/8/10	10:28 pm	Water	Grab		X	X	X	X																																																																																				
<table border="1"> <thead> <tr> <th>Parameter and Method</th> <th>Sample bottle:</th> <th>Type</th> <th>Size</th> <th>Preservative</th> <th>Sampled by (Print)</th> <th>Name of Courier</th> </tr> </thead> <tbody> <tr> <td>1 BOD5,CL-,TDS,NO2</td> <td></td> <td>PLASTIC</td> <td>2000 ML</td> <td>NONE</td> <td>Don Anzell</td> <td></td> </tr> <tr> <td>2 COD,NH3</td> <td></td> <td>PLASTIC</td> <td>500 ML</td> <td>H2SO4</td> <td>Company: ULI</td> <td></td> </tr> <tr> <td>3 T-FE,MN,NA,PB*</td> <td></td> <td>PLASTIC</td> <td>500 ML</td> <td>HNO3</td> <td>Relinquished by: (sign)</td> <td>Received by: (sign)</td> </tr> <tr> <td>4 TOC</td> <td></td> <td>PLASTIC</td> <td>120 ML</td> <td>1:1 HCL</td> <td></td> <td></td> </tr> <tr> <td>5 FIELD PH, TEMP, COND, TURB, DO,EH</td> <td></td> <td>N/A</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																		Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)	Name of Courier	1 BOD5,CL-,TDS,NO2		PLASTIC	2000 ML	NONE	Don Anzell		2 COD,NH3		PLASTIC	500 ML	H2SO4	Company: ULI		3 T-FE,MN,NA,PB*		PLASTIC	500 ML	HNO3	Relinquished by: (sign)	Received by: (sign)	4 TOC		PLASTIC	120 ML	1:1 HCL			5 FIELD PH, TEMP, COND, TURB, DO,EH		N/A					6							7							8							9							10						
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Syracuse		Rochester		Buffalo		Albany		Binghamton		Fair Lawn (NJ)		Rec'd for Lab by: <i>K. Kemp</i>																																																																																		

Upstate Laboratories, Inc.

REMIT TO: **Upstate Laboratories, Inc.**
Accounts Receivable
PO Box 169
Syracuse, New York 13206-0169
TEL: (315) 437-0255

INVOICE

INV DATE: *August 31, 2010*

Invoice No: 34427

Invoice TO: **Applied Testing and Geosciences, LLC**
401 E. Fourth St., Bldg. 12-B
Bridgeport, PA 19405

Attn: **Accounts Payable**
 Phone: **(610) 313-9200**

Work Order: **U1007158** Order Name **Dunkirk Landfill Surface Water**
 PO Number: **3rd Quarter 2010** Date Received **7/8/2010**

Item	Remarks	Matrix	Qty	Quoted	Total
Dunkirk Modified Routine		Water	4	\$93.00	\$372.00

Miscellaneous Charge Summary			
<i>Item</i>	<i>Unit</i>	<i>Qty</i>	<i>Total</i>
Sampling	\$25.00	4	\$100.00

Subtotal:	\$372.00
Discount:	0.00%
Surcharge:	0.00%
Rush:	0.00%
Misc Charges:	\$100.00
Payment Received:	\$0.00
INVOICE Total:	\$472.00

All invoices are due and payable net 30 days from receipt.

We accept MasterCard, VISA, and Discover.
 Please call Krysta at 315-437-0255 x222 or Mary at 315-437-0255 x221 for processing.

Laboratory Report
SDG U1007159-II

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209

Mailing: Box 169 * Syracuse, NY 13206

Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 972-0371

Rochester (866) 437-0255 * New Jersey (908) 581-4285

Mr. Jack Heely
Applied Testing and Geosciences, LLC
401 E. Fourth St., Bldg. 12-B
Bridgeport, PA 19405

August 17, 2010

RE: Analytical Report:
Dunkirk Landfill

Order No.: U1007159

Dear Mr. Heely:

Upstate Laboratories, Inc. received 6 samples on 7/09/10 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

Samples were analyzed in accordance with the site-specific SAP and Laboratory Plan.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,
UPSTATE LABORATORIES, INC.


Anthony J. Scala
President/CEO

Enclosures (on DISK): cover letter, Case Narrative, Equipment Calibration Summary, field data, Level II QC, report, Analytical QC Summary Report, COC Record, copy invoice

cc:

K. Stock, Chautauqua County: copy cover letter, DISK

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

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Mailing: Box 169 * Syracuse, NY 13206

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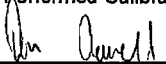
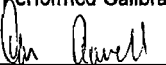

Rochester (866) 437-0255 * New Jersey (908) 581-4285

CASE NARRATIVE

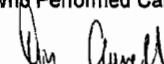
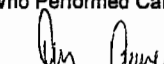
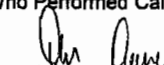
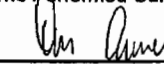
SDG – NA

<u>LOCATION</u>	<u>LAB ID</u>	<u>TYPE OF ANALYSIS</u>
DLG1A	U1007159-001	Full Dunkirk List
DLG2	U1007159-002	Full Dunkirk List
DLG3	U1007159-003	Full Dunkirk List
DLG4A	U1007159-004	Full Dunkirk List
DLG4B	U1007159-005	Full Dunkirk List
DLG3 DUPE	U1007159-006	Full Dunkirk List
DLG9	Unable to locate well due to overgrowth – No Sample Taken	





Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
7/6/2010	Instrument Type: IQ180GLP (pH/Flow):		As Found	As Left	Who Performed Calibration: 
	PH METER	pH 4	4.04	4.00	COMPANY
	Location/Description:	pH 7	7.06	7.00	UPSTATE LABS
	Harmony LF	pH 10	9.94	10.00	Technician: (print)
		Comments:			DAN AUMELL
				Title of Technician: Field Tech.	
7/7/2010	Instrument Type: IQ180GLP (pH/Flow):		As Found	As Left	Who Performed Calibration: 
	PH METER	pH 4	4.03	4.00	COMPANY
	Location/Description:	pH 7	6.96	7.00	UPSTATE LABS
	Harmony LF/ Dunkirk LF	pH 10	10.03	10.00	Technician: (print)
		Comments:			DAN AUMELL
				Title of Technician: Field Tech.	
7/8/2010	Instrument Type: IQ180GLP (pH/Flow):		As Found	As Left	Who Performed Calibration: 
	PH METER	pH 4	3.97	4.00	COMPANY
	Location/Description:	pH 7	7.04	7.00	UPSTATE LABS
	Dunkirk LF	pH 10	9.89	10.00	Technician: (print)
		Comments:			DAN AUMELL
				Title of Technician: Field Tech.	
7/9/2010	Instrument Type: IQ180GLP (pH/Flow):		As Found	As Left	Who Performed Calibration: 
	PH METER	pH 4	3.97	4.00	COMPANY
	Location/Description:	pH 7	6.95	7.00	UPSTATE LABS
	South Stockton LF/ Ellery LF	pH 10	10.02	10.00	Technician: (print)
		Comments:			DAN AUMELL
				Title of Technician: Field Tech.	

Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
7/6/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	93.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	974.00	1000.00	UPSTATE LABS
	Harmony LF	COND. 10000 ms/cm	9566.00	10000.00	Technician: (print)
		Comments:			DAN AUMELL Field Tech.
7/7/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	90.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	978.00	1000.00	UPSTATE LABS
	Harmony LF/ Dunkirk LF	COND. 10000 ms/cm	9558.00	10000.00	Technician: (print)
		Comments:			DAN AUMELL Title of Technician: Field Tech.
7/8/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	96.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	981.00	1000.00	UPSTATE LABS
	Dunkirk LF	COND. 10000 ms/cm	9878.00	10000.00	Technician: (print)
		Comments:			DAN AUMELL Title of Technician: Field Tech.
7/9/2010	Instrument Type: IQ180		As Found	As Left	Who Performed Calibration: 
	SPECIFIC CONDUCTIVITY	COND. 100 ms/cm	103.00	100.00	COMPANY
	Location/Description:	COND. 1000 ms/cm	992.00	1000.00	UPSTATE LABS
	South Stockton LF/ Ellery LF	COND. 10000 ms/cm	10012.00	10000.00	Technician: (print)
		Comments:			DAN AUMELL Title of Technician: Field Tech.

Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
			As Found	As Left	Who Performed Calibration:
7/6/2010	Instrument Type:		As Found	As Left	 Who Performed Calibration:
	HANNA TURB. METER	0.1 NTU	0.13	0.1	
	Location/Description:	15 NTU	13.9	15	UPSTATE LABS
		100 NTU	108.6	100	Technician: (print)
	Harmony LF	Comments:			DAN AUMELL Title of Technician: Field Tech.
7/7/2010	Instrument Type:		As Found	As Left	 Who Performed Calibration:
	HANNA TURB. METER	0.1 NTU	0.17	0.1	
	Location/Description:	15 NTU	14.40	15	UPSTATE LABS
		100 NTU	98.6	100	Technician: (print)
	Harmony LF/ Dunkirk LF	Comments:			DAN AUMELL Title of Technician: Field Tech.
7/8/2010	Instrument Type:		As Found	As Left	 Who Performed Calibration:
	HANNA TURB. METER	0.1 NTU	0.16	0.1	
	Location/Description:	15 NTU	14.55	15	UPSTATE LABS
		100 NTU	101.2	100	Technician: (print)
	Dunkirk LF	Comments:			DAN AUMELL Title of Technician: Field Tech.
7/9/2010	Instrument Type: IQ180GLP		As Found	As Left	 Who Performed Calibration:
	HANNA TURB. METER	0.1 NTU	0.15	0.1	
	Location/Description:	15 NTU	14.67	15	UPSTATE LABS
		100 NTU	98.9	100	Technician: (print)
	South Stockton LF/ Ellery LF	Comments:			DAN AUMELL Title of Technician: Field Tech.

Upstate Laboratories, Inc. Ground water Field Log

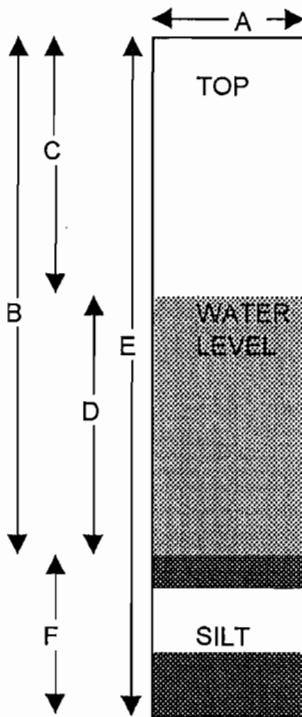
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Revised: 2/97

Client: APPLIED TESTING
 Project: DUNKIRK LANDFILL
 Well ID.: DLG-1A

ULI ID No. (enter by lab)

Condition of Well: GOOD Locked: Yes
 Method of Evacuation: PERISTOLIC PUMP Lock ID: A459
 Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>4</u>	inches
B.	Well Depth Measured	<u>12.25</u>	feet
C.	Depth to Water	<u>4.02</u>	feet
D.	Length of Water Column (calculated)	<u>8.23</u>	feet
	Conversion Factor	<u>0.65</u>	-----
	Well Volume (calculated)	<u>5.3495</u>	gallons
	No. of Volumes to be Evacuated	<u>3</u>	-----
	Total Volume to be Evacuated	<u>16.0485</u>	gallons
	Actual Volume Evacuated	<u>16</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>7/7/10</u>	<u>7/8/10</u>
Time	<u>2:29 pm</u>	<u>11:04 am</u>
EH	<u>142</u>	<u>169</u>
Temperature	<u>20.5°c</u>	<u>19.8°c</u>
pH	<u>6.39</u>	<u>6.84</u>
Specific Cond.	<u>719</u>	<u>633</u>
Turbidity	<u>5.03</u>	<u>4.12</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>

% Recharge:	
Initial Depth to Water	<u>4.02</u> feet
Recharge Depth to Water	<u>4.20</u> feet
2nd water column height	<u>95.71</u> %
1st water column height	
Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W. Elevation = Top of Case Elev - Total Depth	

Weather: 88° Sun / Humid 84° Sun / Humid
 Observations: _____

Sampler: Don Amell
 Signature: Don Amell

Upstate Laboratories, Inc. Ground water Field Log

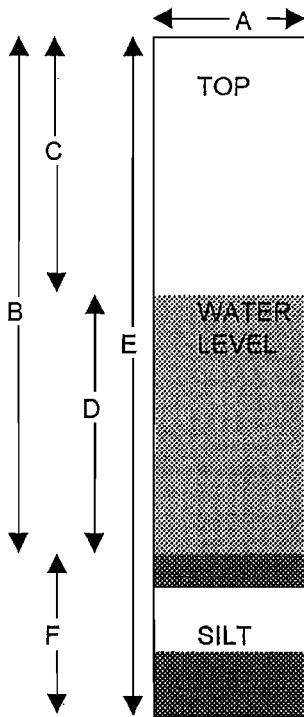
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Revised: 2/97

Client: APPLIED TESTING
 Project: DUNKIRK LANDFILL
 Well ID.: DLG-2

Well ID No. (enter by lab)

Condition of Well: GOOD Locked: No
 Method of Evacuation: DEDICATED BAILER Lock ID: ABUS 5503
 Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>4</u>	inches
B.	Well Depth Measured	<u>20.64</u>	feet
C.	Depth to Water	<u>4.10</u>	feet
D.	Length of Water Column (calculated)	<u>16.54</u>	feet
	Conversion Factor	<u>0.65</u>	-----
	Well Volume (calculated)	<u>10.751</u>	gallons
	No. of Volumes to be Evacuated	<u>3</u>	-----
	Total Volume to be Evacuated	<u>32.253</u>	gallons
	Actual Volume Evacuated	<u>32.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>7/7/10</u>	<u>7/8/10</u>
Time	<u>3:26pm</u>	<u>12:46pm</u>
EH	<u>240</u>	<u>271</u>
Temperature	<u>21.3°C</u>	<u>20.4°C</u>
pH	<u>8.06</u>	<u>7.70</u>
Specific Cond.	<u>687</u>	<u>596</u>
Turbidity	<u>21.9</u>	<u>13.9</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Cloudy</u>	<u>Sl. Cloudy</u>

% Recharge:	
Initial Depth to Water	<u>4.10</u> feet
Recharge Depth to Water	<u>4.16</u> feet
2nd water column height	<u>98.56</u> %
1st water column height	
Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather: 88° Sun / Humid 88° Sun / Humid
 Observations: _____

Sampler: Dan Amell
 Signature: Dan Amell

Upstate Laboratories, Inc. Ground water Field Log

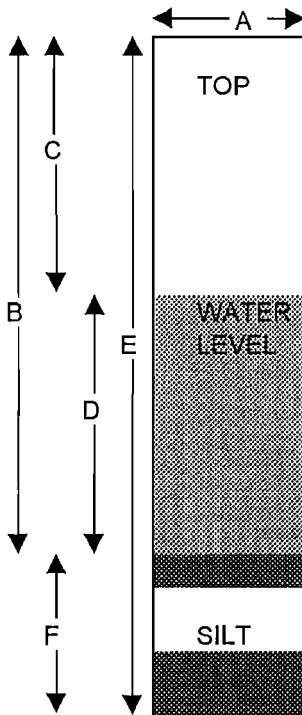
File: TS-30-01

Revised: 2/97

Client: APPLIED TESTING
 Project: DUNKIRK LANDFILL
 Well ID.: DLG-3

UCCID No. (enter by lab)

Condition of Well: GOOD Locked: No
 Method of Evacuation: PERISTOLIC PUMP Lock ID: ABUS 5503
 Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>4</u>	inches
B.	Well Depth Measured	<u>13.98</u>	feet
C.	Depth to Water	<u>6.50</u>	feet
D.	Length of Water Column (calculated)	<u>7.48</u>	feet
	Conversion Factor	<u>0.65</u>	-----
	Well Volume (calculated)	<u>4.862</u>	gallons
	No. of Volumes to be Evacuated	<u>3</u>	-----
	Total Volume to be Evacuated	<u>14.586</u>	gallons
	Actual Volume Evacuated	<u>15</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>7/7/10</u>	<u>7/8/10</u>
Time	<u>3:02 pm</u>	<u>12:12 pm</u>
EH	<u>163</u>	<u>179</u>
Temperature	<u>18.2°C</u>	<u>17.9°C</u>
pH	<u>7.23</u>	<u>7.45</u>
Specific Cond.	<u>1494</u>	<u>1386</u>
Turbidity	<u>71.2</u>	<u>33.6</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Cloudy / Black</u>	<u>Cloudy</u>

% Recharge:	
Initial Depth to Water	<u>6.50</u> feet
Recharge Depth to Water	<u>6.68</u> feet
2nd water column height	<u>97.31</u> %
1st water column height	
Elevation (Top of Casing)	<u>N/A</u> feet
G.W. Elevation =	<u>N/A</u> feet
G.W. Elevation = Top of Case Elev - Total Depth	

Weather: 88° Sun / Humid 88° Sun / Humid
 Observations: Dupe

Sampler: Don Annell
 Signature: Don Annell

Upstate Laboratories, Inc. Ground water Field Log

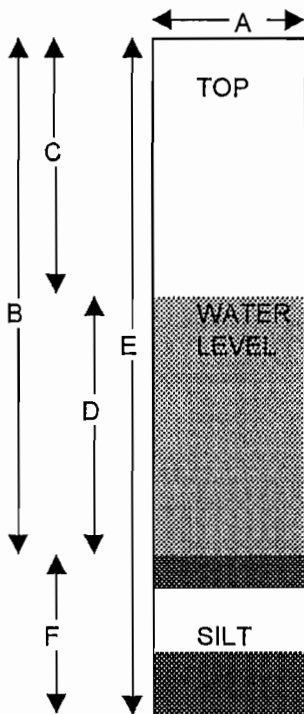
File: TS-30-01

Revised: 2/97

Client: APPLIED TESTING
 Project: DUNKIRK LANDFILL
 Well ID.: DLG-4A

ULI ID No. (enter by lab)

Condition of Well: GOOD Locked: Yes
 Method of Evacuation: PERISTOLIC PUMP Lock ID: A459
 Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>4</u>	inches
B.	Well Depth Measured	<u>26.32</u>	feet
C.	Depth to Water	<u>14.72</u>	feet
D.	Length of Water Column (calculated)	<u>11.60</u>	feet
	Conversion Factor	<u>0.65</u>	-----
	Well Volume (calculated)	<u>7.54</u>	gallons
	No. of Volumes to be Evacuated	<u>3</u>	-----
	Total Volume to be Evacuated	<u>22.62</u>	gallons
	Actual Volume Evacuated	<u>23</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>7/7/10</u>	<u>7/8/10</u>
Time	<u>1:30 pm</u>	<u>10:10 am</u>
EH	<u>177</u>	<u>191</u>
Temperature	<u>18.4°C</u>	<u>19.0°C</u>
pH	<u>8.06</u>	<u>7.87</u>
Specific Cond.	<u>1071</u>	<u>988</u>
Turbidity	<u>8.61</u>	<u>6.73</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>

% Recharge:	
Initial Depth to Water	<u>14.72</u> feet
Recharge Depth to Water	<u>14.80</u> feet
2nd water column height	<u>99.46</u> %
1st water column height	
Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather: 88° Sun / Humid 84° Sun / Humid
 Observations: _____

Sampler: _____
 Signature: Don Amell

Upstate Laboratories, Inc. Ground water Field Log

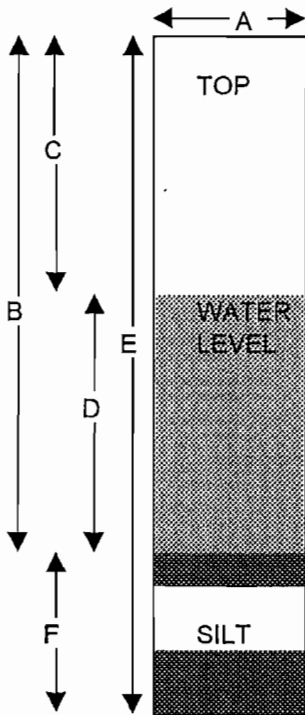
File: TS-30-01

Revised: 2/97

Client: APPLIED TESTING
 Project: DUNKIRK LANDFILL
 Well ID.: DLG-4B

UET ID No. (enter by lab)

Condition of Well: GOOD Locked: Yes
 Method of Evacuation: PERISTOLIC PUMP Lock ID: A459
 Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>4</u>	inches
B.	Well Depth Measured	<u>20.48</u>	feet
C.	Depth to Water	<u>14.24</u>	feet
D.	Length of Water Column (calculated)	<u>6.24</u>	feet
	Conversion Factor	<u>0.65</u>	-----
	Well Volume (calculated)	<u>4.056</u>	gallons
	No. of Volumes to be Evacuated	<u>3</u>	-----
	Total Volume to be Evacuated	<u>12.168</u>	gallons
	Actual Volume Evacuated	<u>12.5</u>	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>7/7/10</u>	<u>7/8/10</u>
Time	<u>1:42 pm</u>	<u>10:24 am</u>
EH	<u>107</u>	<u>96</u>
Temperature	<u>16.5°C</u>	<u>16.2°C</u>
pH	<u>10.21</u>	<u>8.67</u>
Specific Cond.	<u>849</u>	<u>743</u>
Turbidity	<u>6.64</u>	<u>5.34</u>
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	<u>Clear</u>	<u>Clear</u>

% Recharge:	
Initial Depth to Water	<u>14.24</u> feet
Recharge Depth to Water	<u>14.44</u> feet
2nd water column height	<u>98.61</u> %
1st water column height	
Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W.Elevation =Top of Case Elev-Total Depth	

Weather: 88° Sun / Humid 84° Sun / Humid
 Observations: MSD

Sampler: Don Arnell
 Signature: Don Arnell

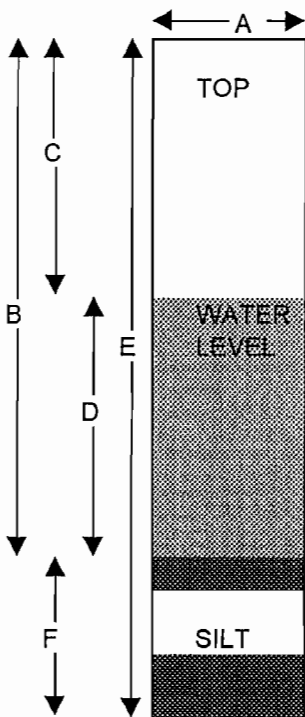
Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: APPLIED TESTING
 Project: DUNKIRK LANDFILL
 Well ID.: DLG-9

ULI ID No. (enter by lab)

Condition of Well: GOOD Locked: _____
 Method of Evacuation: PERISTOLIC PUMP Lock ID: _____
 Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	<u>4</u>	inches
B.	Well Depth Measured	<u>16.35</u>	feet
C.	Depth to Water	_____	feet
D.	Length of Water Column (calculated)	_____	feet
	Conversion Factor	<u>0.65</u>	-----
	Well Volume (calculated)	_____	gallons
	No. of Volumes to be Evacuated	<u>3</u>	-----
	Total Volume to be Evacuated	_____	gallons
	Actual Volume Evacuated	_____	gallons
E.	Installed Well Depth (if known)	<u>N/A</u>	feet
F.	Depth of Silt (calculated)	<u>N/A</u>	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	<u>7/7/10</u>	_____
Time	<u>3:45pm</u>	_____
EH	_____	_____
Temperature	_____	_____
pH	_____	_____
Specific Cond.	_____	_____
Turbidity	_____	_____
Dissolved Oxygen	<u>N/A</u>	<u>N/A</u>
Appearance	_____	_____

% Recharge:	
Initial Depth to Water	_____ feet
Recharge Depth to Water	_____ feet
2nd water column height	_____ %
1st water column height	_____ %
Elevation(Top of Casing)	<u>N/A</u> feet
G.W. Elevation=	<u>N/A</u> feet
G.W. Elevation = Top of Case Elev - Total Depth	

Weather: 88° Sun / Humid
 Observations: Well could not be located due to overgrowth

Sampler: Don Amell
 Signature: Don Amell

Upstate Laboratories, Inc.

6034 Corporate Drive
East Syracuse, New York 13057-1017

Quality Control Report

Report Number: U1007159

Project:

Dunkirk Landfill
Bridgeport, PA

Prepared for:

Mr. Jack Heely
Applied Testing and Geosciences, LLC
401 E. Fourth St., Bldg. 12-B
Bridgeport, PA 19405

Samples Collected:

July 8, 2010

The total number of pages in this data package is: 5

Narrative

1.0 Summary

This report presents the quality control results for five water sample locations collected from Dunkirk Landfill project, Bridgeport, Pennsylvania. The samples were analyzed for the parameters listed in Section 3.0, below.

2.0 Chain of Custody

The samples were collected by Upstate Laboratories, Inc. personnel on July 8, 2010, and hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is presented in Report # U1007159.

3.0 Methodology

The analyses were performed using test methods developed by the USEPA under the Resource Conservation & Recovery Act (RCRA) and the Clean Water Act (CWA). The specific method numbers are:

<u>Parameter</u>	<u>Method</u>	<u>Reference</u>
Iron	200.7	(1)
Manganese	200.7	(1)
Sodium	200.7	(1)
Ammonia-Nitrogen	10-107-06-1B	(1)
BOD	SM 5210B	(1)
Chloride	10-117-07-1A	(1)
TDS	SM 2540C	(1)
Nitrite	10-107-04-C	(1)
COD	410.4	(1)
TOC	SM 5310B	(1)

Reference:

(1) Methods for the Chemical Analysis of Water and Waste", USEPA, Environmental Monitoring Systems Laboratory, Cincinnati, EPA 600/4-79-020, revised March 1993

4.0 Quality Control

Quality control data includes method blanks, reference samples, matrix spikes, duplicates and surrogate recoveries. The association of QC data with sample data is made through the use of the "File No." found on both the final report pages and the QC summary pages.

5.0 Internal Validation

The following observations are offered:

Trace Metals

Holding Time	: Criteria were satisfied.
Calibration	: Criteria were satisfied.
Method Blanks	: Criteria were satisfied.
Reference Samples	: The LCS recovery for Sodium was above QC acceptance limits for LCS-22723. All other criteria were satisfied.
Matrix Spike	: The MS recovery for Sodium was above QC acceptance limits for the MS performed on sample location DLG4B. All other criteria were satisfied.
Duplicate	: The Duplicate %RPD for Sodium was outside QC acceptance limits for the Duplicate performed on sample location DLG4B. The concentration of Sodium in sample location DLG4B was less than 5X the PQL; therefore, the data should be considered valid. All other criteria were satisfied.

Wet Chemistry

Holding Time	: Sample locations DLG3 and DLG3 DUPE were reanalyzed for Chloride in analytical sequence R54132 over method holding time due to inconsistent sample results when compared with past data. The original analyses, however, were performed within method holding time. Sample location DLG4B was reanalyzed for Nitrite in analytical sequence R53274 over method holding time due to an inconsistent sample result when compared with past data. The original analysis, however, was performed within method holding time. All other criteria were satisfied.
Calibration	: Several CCV recoveries for Chloride were above QC acceptance limits for analytical sequence R53263. All other criteria were satisfied.
Method Blanks	: Criteria were satisfied.
Reference Samples	: Criteria were satisfied.
Matrix Spike	: Criteria were satisfied.
Duplicate	: The Duplicate %RPD for TOC was outside QC acceptance limits for the Duplicate performed on sample location DLG4B. The concentration of TOC in sample location DLG4B was less than 5X the PQL; therefore, the data should be considered valid. All other criteria were satisfied.
Other	: Sample locations DLG3 and DLG3 DUPE were reanalyzed for COD in analytical sequence R53576 within method holding time due to inconsistent sample results when compared with past data.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and/or in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Approved Anthony J. Scala
Anthony J. Scala, Director

Dunkirk LF U1007159.doc

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLG1A
Lab Order: U1007159 **Collection Date:** 7/8/2010 11:04:00 AM
Project: Dunkirk Landfill
Lab ID: U1007159-001 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
				FIELD		Analyst:
Conductivity	633	1.0		umhos/cm		7/8/2010 11:04:00 AM
Eh	169	-300		mV		7/8/2010 11:04:00 AM
pH	6.84	2-12.5		SU		7/8/2010 11:04:00 AM
SWL	4.02			ft		7/8/2010 11:04:00 AM
Temperature	19.8			degC		7/8/2010 11:04:00 AM
Turbidity	4.12	5.0		NTU		7/8/2010 11:04:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: ALW
Iron	0.092	0.030		mg/L	1	7/28/2010 9:52:13 AM
Manganese	0.31	0.020		mg/L	1	7/28/2010 9:52:13 AM
Sodium	13	0.50		mg/L	1	7/28/2010 9:52:13 AM
BOD, 5 DAY BY SM 18-20 5210B (01)						
				BOD		Analyst: GWL
Biochemical Oxygen Demand	ND	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: TCB
Chloride	21.7	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: TCB
Chemical Oxygen Demand	ND	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: KAB
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C						
				NO2_W		Analyst: TCB
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: NKA
Residue, Dissolved (TDS)	930	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: VAW
Organic Carbon, Total	3.2	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 1 of 6

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLG2
Lab Order: U1007159 **Collection Date:** 7/8/2010 12:46:00 PM
Project: Dunkirk Landfill
Lab ID: U1007159-002 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	596	1.0		umhos/cm		7/8/2010 12:46:00 PM
Eh	271	-300		mV		7/8/2010 12:46:00 PM
pH	7.70	2-12.5		SU		7/8/2010 12:46:00 PM
SWL	4.10			ft		7/8/2010 12:46:00 PM
Temperature	20.4			degC		7/8/2010 12:46:00 PM
Turbidity	13.9	5.0		NTU		7/8/2010 12:46:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT (E200.7)		Analyst: ALW	
Iron	0.53	0.030		mg/L	1	7/28/2010 10:01:27 AM
Manganese	0.021	0.020		mg/L	1	7/28/2010 10:01:27 AM
Sodium	63	0.50		mg/L	1	7/28/2010 10:01:27 AM
BOD, 5 DAY BY SM 18-20 5210B (01)			BOD		Analyst: GWL	
Biochemical Oxygen Demand	ND	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO		Analyst: TCB	
Chloride	41.1	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0			COD		Analyst: TCB	
Chemical Oxygen Demand	ND	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO		Analyst: KAB	
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C			NO2_W		Analyst: TCB	
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)			TDS		Analyst: NKA	
Residue, Dissolved (TDS)	430	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)			TOC_W		Analyst: VAW	
Organic Carbon, Total	ND	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 2 of 6

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLG3
Lab Order: U1007159 **Collection Date:** 7/8/2010 12:12:00 PM
Project: Dunkirk Landfill
Lab ID: U1007159-003 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	1386	1.0		umhos/cm		7/8/2010 12:12:00 PM
Eh	179	-300		mV		7/8/2010 12:12:00 PM
pH	7.45	2-12.5		SU		7/8/2010 12:12:00 PM
SWL	6.50			ft		7/8/2010 12:12:00 PM
Temperature	17.9			degC		7/8/2010 12:12:00 PM
Turbidity	33.6	5.0		NTU		7/8/2010 12:12:00 PM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT (E200.7)		Analyst: ALW	
Iron	6.6	0.030		mg/L	1	7/28/2010 10:10:39 AM
Manganese	1.6	0.020		mg/L	1	7/28/2010 10:10:39 AM
Sodium	23	0.50		mg/L	1	7/28/2010 10:10:39 AM
BOD, 5 DAY BY SM 18-20 5210B (01)			BOD		Analyst: GWL	
Biochemical Oxygen Demand	ND	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO		Analyst: BY	
Chloride	17.3	1.00	H	mg/L	1	8/11/2010
NOTES: Sample reanalyzed over the holding time; original analysis was within the holding time.						
COD BY EPA 410.4 REV. 2.0			COD		Analyst: TCB	
Chemical Oxygen Demand	33	20		mg/L	1	7/24/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO		Analyst: KAB	
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C			NO2_W		Analyst: TCB	
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)			TDS		Analyst: NKA	
Residue, Dissolved (TDS)	1300	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)			TOC_W		Analyst: VAW	
Organic Carbon, Total	ND	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 3 of 6

Qualifiers: # Accreditation not offered by NYS DOH for this parameter * Low Level
 ** Value exceeds Maximum Contaminant Value B Analyte detected in the associated Method Blank
 E Value above quantitation range H Holding times for preparation or analysis exceeded
 J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLG4A
Lab Order: U1007159 **Collection Date:** 7/8/2010 10:10:00 AM
Project: Dunkirk Landfill
Lab ID: U1007159-004 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS			FIELD		Analyst:	
Conductivity	988	1.0		umhos/cm		7/8/2010 10:10:00 AM
Eh	191	-300		mV		7/8/2010 10:10:00 AM
pH	7.87	2-12.5		SU		7/8/2010 10:10:00 AM
SWL	14.72			ft		7/8/2010 10:10:00 AM
Temperature	18.0			degC		7/8/2010 10:10:00 AM
Turbidity	6.73	5.0		NTU		7/8/2010 10:10:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005			200.7WT		(E200.7)	
Iron	1.2	0.030		mg/L	1	7/28/2010 10:19:34 AM
Manganese	0.047	0.020		mg/L	1	7/28/2010 10:19:34 AM
Sodium	110	0.50		mg/L	1	7/28/2010 10:19:34 AM
BOD, 5 DAY BY SM 18-20 5210B (01)			BOD		Analyst: GWL	
Biochemical Oxygen Demand	ND	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A			CL_W_AUTO		Analyst: TCB	
Chloride	147	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0			COD		Analyst: TCB	
Chemical Oxygen Demand	21	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B			NH3_W_AUTO		Analyst: KAB	
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C			NO2_W		Analyst: TCB	
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)			TDS		Analyst: NKA	
Residue, Dissolved (TDS)	630	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)			TOC_W		Analyst: VAW	
Organic Carbon, Total	ND	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 4 of 6

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC Client Sample ID: DLG4B
 Lab Order: U1007159 Collection Date: 7/8/2010 10:24:00 AM
 Project: Dunkirk Landfill
 Lab ID: U1007159-005 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS						
			FIELD	Analyst:		
Conductivity	743	1.0		umhos/cm		7/8/2010 10:24:00 AM
Eh	96	-300		mV		7/8/2010 10:24:00 AM
pH	8.67	2-12.5		SU		7/8/2010 10:24:00 AM
SWL	14.24			ft		7/8/2010 10:24:00 AM
Temperature	16.2			degC		7/8/2010 10:24:00 AM
Turbidity	5.34	5.0		NTU		7/8/2010 10:24:00 AM
ICP METALS, TOTALS BY NYSDEC ASP 2005						
			200.7WT	(E200.7)	Analyst: ALW	
Iron	0.067	0.030		mg/L	1	7/28/2010 10:28:34 AM
Manganese	ND	0.020		mg/L	1	7/28/2010 10:28:34 AM
Sodium	82	0.50		mg/L	1	7/28/2010 10:28:34 AM
BOD, 5 DAY BY SM 18-20 5210B (01)						
			BOD	Analyst: GWL		
Biochemical Oxygen Demand	ND	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
			CL_W_AUTO	Analyst: TCB		
Chloride	72.2	1.00	Q	mg/L	1	7/14/2010
COD BY EPA 410.4 REV. 2.0						
			COD	Analyst: TCB		
Chemical Oxygen Demand	48	20		mg/L	1	7/20/2010
NH3 BY LACHAT 10-107-06-1-B						
			NH3_W_AUTO	Analyst: KAB		
Nitrogen, Ammonia (As N)	4.39	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C						
			NO2_W	Analyst: TCB		
Nitrogen, Nitrite (as N)	ND	0.050	H	mg/L	1	7/10/2010 12:41:00 PM
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
TDS BY SM 18-21 2540C (97)						
			TDS	Analyst: NKA		
Residue, Dissolved (TDS)	480	25		mg/L	1	7/13/2010
TOC BY SM 18-21 5310B (00)						
			TOC_W	Analyst: VAW		
Organic Carbon, Total	9.1	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

- | | | |
|-------------|--|--|
| Qualifiers: | # Accreditation not offered by NYS DOH for this parameter | * Low Level |
| | ** Value exceeds Maximum Contaminant Value | B Analyte detected in the associated Method Blank |
| | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| | J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| | Q Outlying QC recoveries were associated with this parameter | S Spike Recovery outside accepted recovery limits |

Upstate Laboratories, Inc.

Analytical Report

Date: 17-Aug-10

CLIENT: Applied Testing and Geosciences, LLC **Client Sample ID:** DLG3 DUPE
Lab Order: U1007159 **Collection Date:** 7/8/2010 12:12:00 PM
Project: Dunkirk Landfill
Lab ID: U1007159-006 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTALS BY NYSDEC ASP 2005						
				200.7WT	(E200.7)	Analyst: ALW
Iron	8.6	0.030		mg/L	1	7/28/2010 11:19:40 AM
Manganese	1.6	0.020		mg/L	1	7/28/2010 11:19:40 AM
Sodium	22	0.50		mg/L	1	7/28/2010 11:19:40 AM
BOD, 5 DAY BY SM 18-20 5210B (01)						
				BOD		Analyst: GWL
Biochemical Oxygen Demand	ND	4.0		mg/L	1	7/9/2010 8:00:00 AM
CHLORIDE WATERS BY LACHAT 10-117-07-1 A						
				CL_W_AUTO		Analyst: BY
Chloride	17.7	1.00	H	mg/L	1	8/11/2010
NOTES:						
Sample reanalyzed over the holding time; original analysis was within the holding time.						
COD BY EPA 410.4 REV. 2.0						
				COD		Analyst: TCB
Chemical Oxygen Demand	46	20		mg/L	1	7/24/2010
NH3 BY LACHAT 10-107-06-1-B						
				NH3_W_AUTO		Analyst: KAB
Nitrogen, Ammonia (As N)	ND	0.500		mg/L	1	7/12/2010
NITROGEN, NITRITE (AS N) BY LACHAT 10-107-04-1C						
				NO2_W		Analyst: TCB
Nitrogen, Nitrite (as N)	ND	0.050		mg/L	1	7/9/2010 9:32:00 AM
TDS BY SM 18-21 2540C (97)						
				TDS		Analyst: NKA
Residue, Dissolved (TDS)	1300	25		mg/L	1	7/14/2010
TOC BY SM 18-21 5310B (00)						
				TOC_W		Analyst: VAW
Organic Carbon, Total	ND	3.0		mg/L	1	7/12/2010

Approved By: PH

Date: 8-17-10

Page 6 of 6

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 ** Value exceeds Maximum Contaminant Value
 E Value above quantitation range
 J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter

* Low Level
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 19-Aug-10

CLIENT: Applied Testing and Geosciences, LLC
 Work Order: U1007159
 Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7WT

Sample ID: MB-22723	SampType: MBLK	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/14/2010	RunNo: 53685			
Client ID: ZZZZ	Batch ID: 22723	TestName: ICP Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/28/2010	SeqNo: 1075534			
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	ND	0.030							
Manganese	ND	0.020							
Sodium	ND	0.50							

Sample ID: LCS-22723	SampType: LCS	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/14/2010	RunNo: 53685			
Client ID: ZZZZ	Batch ID: 22723	TestName: ICP Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/28/2010	SeqNo: 1075536			
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	21.91	0.030	22	0	80	120			
Manganese	1.922	0.020	2	0	80	120			
Sodium	99.78	0.50	52	0	80	120			S

Sample ID: U1007159-005CMS	SampType: MS	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/14/2010	RunNo: 53685			
Client ID: DLG4B	Batch ID: 22723	TestName: ICP Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/28/2010	SeqNo: 1075546			
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	19.87	0.030	22	0.06655	75	125			
Manganese	1.881	0.020	2	0	75	125			
Sodium	198.2	0.50	52	82.13	75	125			S

Sample ID: U1007159-005CDUP	SampType: DUP	TestCode: 200.7WT	(200.7TPR)	Units: mg/L	Prep Date: 7/14/2010	RunNo: 53685			
Client ID: DLG4B	Batch ID: 22723	TestName: ICP Metals, Totals by NYSDEC ASP 2005		%REC	Analysis Date: 7/28/2010	SeqNo: 1075545			
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	0.08341	0.030			0.06655	22.5			R
Manganese	ND	0.020			0	0			20
Sodium	82.22	0.50			82.13	0.109			20

Qualifiers: # Accreditation not offered by NYS DOH for this paramete
 H Holding times for preparation or analysis exceeded
 Q Outlying QC recoveries were associated with this paramete
 B Analyte detected in the associated Method Blank
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: 19-Aug-10

CLIENT: Applied Testing and Geosciences, LLC
 Work Order: U1007159
 Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

BatchID: R53685

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685		
Client ID: ZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075533		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.050					
Barium	ND	0.30					
Beryllium	ND	0.0050					
Cadmium	ND	0.0050					
Calcium	ND	0.50					
Chromium	ND	0.050					
Cobalt	ND	0.050					
Copper	ND	0.020					
Iron	ND	0.030					
Lead	ND	0.10					
Magnesium	ND	0.50					
Manganese	ND	0.020					
Nickel	ND	0.030					
Potassium	ND	0.50					
Silver	ND	0.050					
Sodium	ND	0.50					
Vanadium	ND	0.30					
Zinc	ND	0.010					

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685		
Client ID: ZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075552		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.06341	0.050					
Barium	ND	0.30					
Beryllium	ND	0.0050					
Cadmium	ND	0.0050					
Calcium	ND	0.50					
Chromium	ND	0.050					

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685		
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075552		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual

Cobalt	ND	0.050					
Copper	ND	0.020					
Iron	ND	0.030					
Lead	ND	0.10					
Magnesium	ND	0.50					
Manganese	ND	0.020					
Nickel	ND	0.030					
Potassium	ND	0.50					
Silver	ND	0.050					
Sodium	ND	0.50					
Vanadium	ND	0.30					
Zinc	ND	0.010					

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685		
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075566		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	0.050					
Barium	ND	0.30					
Beryllium	ND	0.0050					
Cadmium	ND	0.0050					
Calcium	ND	0.50					
Chromium	ND	0.050					
Cobalt	ND	0.050					
Copper	ND	0.020					
Iron	ND	0.030					
Lead	ND	0.10					
Magnesium	ND	0.50					
Manganese	ND	0.020					
Nickel	ND	0.030					
Potassium	ND	0.50					

Qualifiers: # Accreditation not offered by NYS DOH for this parametc B Analytic detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analytic detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this param R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Gcoosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075566
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
		HighLimit	RPD Ref Val	RPDLimit	Qual

Silver	ND	0.050			
Sodium	ND	0.50			
Vanadium	ND	0.30			
Zinc	ND	0.010			

Sample ID: CCB	SampType: CCB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075576
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
		HighLimit	RPD Ref Val	RPDLimit	Qual

Aluminum	0.05945	0.050			
Barium	ND	0.30			
Beryllium	ND	0.0050			
Cadmium	ND	0.0050			
Calcium	ND	0.50			
Chromium	ND	0.050			
Cobalt	ND	0.050			
Copper	ND	0.020			
Iron	ND	0.030			
Lead	ND	0.10			
Magnesium	ND	0.50			
Manganese	ND	0.020			
Nickel	ND	0.030			
Potassium	ND	0.50			
Silver	ND	0.050			
Sodium	ND	0.50			
Vanadium	ND	0.30			
Zinc	ND	0.010			

Qualifiers:	#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/28/2010	SeqNo: 1075531

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	16.03	0.30	16	0	100	90	110				
Beryllium	0.4000	0.0050	0.4	0	100	90	110				
Cadmium	1.031	0.0050	1	0	103	90	110				
Calcium	20.31	0.50	20	0	102	90	110				
Chromium	0.7965	0.050	0.8	0	99.6	90	110				
Cobalt	4.015	0.050	4	0	100	90	110				
Copper	2.047	0.020	2	0	102	90	110				
Iron	7.964	0.030	8	0	99.5	90	110				
Lead	2.022	0.10	2	0	101	90	110				
Magnesium	19.83	0.50	20	0	99.2	90	110				
Manganese	1.203	0.020	1.2	0	100	90	110				
Nickel	3.128	0.030	3.2	0	97.8	90	110				
Potassium	19.85	0.50	20	0	99.2	90	110				
Silver	0.7955	0.050	0.8	0	99.4	90	110				
Sodium	19.84	0.50	20	0	99.2	90	110				
Vanadium	4.044	0.30	4	0	101	90	110				
Zinc	1.758	0.010	1.6	0	110	90	110				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	17.56	0.050	16	0	110	90	110				
Barium	16.01	0.30	16	0	100	90	110				
Beryllium	0.4011	0.0050	0.4	0	100	90	110				
Cadmium	1.019	0.0050	1	0	102	90	110				
Calcium	20.33	0.50	20	0	102	90	110				
Chromium	0.8044	0.050	0.8	0	101	90	110				
Cobalt	4.070	0.050	4	0	102	90	110				
Copper	2.056	0.020	2	0	103	90	110				
Iron	7.922	0.030	8	0	99.0	90	110				

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685		
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075549		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Lead	2.018	0.10	2	0	101	90	110
Magnesium	19.93	0.50	20	0	99.6	90	110
Manganese	1.190	0.020	1.2	0	99.2	90	110
Nickel	3.181	0.030	3.2	0	99.4	90	110
Potassium	19.70	0.50	20	0	98.5	90	110
Silver	0.8079	0.050	0.8	0	101	90	110
Sodium	19.40	0.50	20	0	97.0	90	110
Vanadium	4.043	0.30	4	0	101	90	110
Zinc	1.760	0.010	1.6	0	110	90	110

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685		
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075565		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Aluminum	17.66	0.050	16	0	110	90	110
Barium	15.93	0.30	16	0	99.6	90	110
Beryllium	0.3997	0.0050	0.4	0	99.9	90	110
Cadmium	1.015	0.0050	1	0	102	90	110
Calcium	20.54	0.50	20	0	103	90	110
Chromium	0.8033	0.050	0.8	0	100	90	110
Cobalt	4.055	0.050	4	0	101	90	110
Copper	2.068	0.020	2	0	103	90	110
Iron	7.890	0.030	8	0	98.6	90	110
Lead	2.017	0.10	2	0	101	90	110
Magnesium	19.90	0.50	20	0	99.5	90	110
Manganese	1.184	0.020	1.2	0	98.6	90	110
Nickel	3.182	0.030	3.2	0	99.4	90	110
Potassium	20.21	0.50	20	0	101	90	110
Silver	0.8122	0.050	0.8	0	102	90	110
Sodium	19.55	0.50	20	0	97.7	90	110
Vanadium	4.044	0.30	4	0	101	90	110

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
 H Holding times for preparation or analysis exceeded
 Q Outlying QC recoveries were associated with this parameter
 B Analyte detected in the associated Method Blank
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007159

Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075565
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Zinc	1.738	0.010	1.6	0	109
				HighLimit	RPDLimit
				90	110

Sample ID: CCV	SampType: CCV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075575
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Aluminum	17.67	0.050	16	0	110
Barium	15.92	0.30	16	0	99.5
Beryllium	0.3995	0.0050	0.4	0	99.9
Cadmium	1.017	0.0050	1	0	102
Calcium	20.39	0.50	20	0	102
Chromium	0.8031	0.050	0.8	0	100
Cobalt	4.046	0.050	4	0	101
Copper	2.071	0.020	2	0	104
Iron	7.900	0.030	8	0	98.7
Lead	2.006	0.10	2	0	100
Magnesium	19.90	0.50	20	0	99.5
Manganese	1.185	0.020	1.2	0	98.7
Nickel	3.180	0.030	3.2	0	99.4
Potassium	20.15	0.50	20	0	101
Silver	0.8133	0.050	0.8	0	102
Sodium	19.59	0.50	20	0	97.9
Vanadium	4.039	0.30	4	0	101
Zinc	1.732	0.010	1.6	0	108
				HighLimit	RPDLimit
				90	110

Sample ID: CRI	SampType: CRI	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075529
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Aluminum	0.05681	0.050			
Barium	ND	0.30			
				HighLimit	RPDLimit
				90	110

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CRI	SampType: CRI	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685						
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075529						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium	0.01244	0.0050	0.01	0	124	70	130				
Cadmium	0.01158	0.0050	0.01	0	116	50	150				
Calcium	1.187	0.50									
Chromium	ND	0.050	0.02	0	117	70	130				
Cobalt	0.1113	0.050	0.1	0	111	70	130				
Copper	0.05641	0.020	0.05	0	113	70	130				
Iron	ND	0.030									
Lead	ND	0.10	0.006	0	65.5	50	150				
Magnesium	ND	0.50									
Manganese	0.03451	0.020	0.03	0	115	70	130				
Nickel	0.08741	0.030	0.08	0	109	50	150				
Potassium	ND	0.50									
Silver	ND	0.050	0.02	0	102	70	130				
Sodium	ND	0.50									
Vanadium	ND	0.30	0.1	0	116	70	130				
Zinc	0.1206	0.010	0.04	0	301	70	130				S

Sample ID: CRI	SampType: CRI	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685						
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075574						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	0.07771	0.050									
Barium	ND	0.30									
Beryllium	0.01211	0.0050	0.01	0	121	70	130				
Cadmium	0.01164	0.0050	0.01	0	116	50	150				
Calcium	1.225	0.50									
Chromium	ND	0.050	0.02	0	118	70	130				
Cobalt	0.1114	0.050	0.1	0	111	70	130				
Copper	0.05467	0.020	0.05	0	109	70	130				
Iron	ND	0.030									
Lead	ND	0.10	0.006	0	53.3	50	150				

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007159

Project: Dunkirk Landfill

BatchID: R53685

Sample ID: CRI	SampType: CRI	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685						
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/28/2010	SeqNo: 1075574						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Magnesium	ND	0.50									
Manganese	0.03411	0.020	0.03	0	114	70	130				
Nickel	0.08821	0.030	0.08	0	110	50	150				
Potassium	ND	0.50									
Silver	ND	0.050	0.02	0	106	70	130				
Sodium	ND	0.50									
Vanadium	ND	0.30	0.1	0	117	70	130				
Zinc	0.11164	0.010	0.04	0	291	70	130				S

Sample ID: ICB	SampType: ICB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685						
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/28/2010	SeqNo: 1075506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	0.050									
Barium	ND	0.30									
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Calcium	ND	0.50									
Chromium	ND	0.050									
Cobalt	ND	0.050									
Copper	ND	0.020									
Iron	ND	0.030									
Lead	ND	0.10									
Magnesium	ND	0.50									
Manganese	ND	0.020									
Nickel	ND	0.030									
Potassium	ND	0.50									
Silver	ND	0.050									
Sodium	ND	0.50									
Vanadium	ND	0.30									
Zinc	ND	0.010									

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

BatchID: R53685

Sample ID: ICV	SampType: ICV	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685						
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/28/2010	SeqNo: 1075505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	9.958	0.050	10	0	99.6	90	110				
Barium	10.31	0.30	10	0	103	90	110				
Beryllium	0.2531	0.0050	0.25	0	101	90	110				
Cadmium	0.2586	0.0050	0.25	0	103	90	110				
Calcium	12.87	0.50	12.5	0	103	90	110				
Chromium	0.5084	0.050	0.5	0	102	90	110				
Cobalt	2.558	0.050	2.5	0	102	90	110				
Copper	1.270	0.020	1.25	0	102	90	110				
Iron	5.113	0.030	5	0	102	90	110				
Lead	0.2534	0.10	0.25	0	101	90	110				
Magnesium	12.80	0.50	12.5	0	102	90	110				
Manganese	0.7567	0.020	0.75	0	101	90	110				
Nickel	1.956	0.030	2	0	97.8	90	110				
Potassium	11.36	0.50	12.5	0	90.9	90	110				
Silver	0.4642	0.050	0.5	0	92.8	90	110				
Sodium	12.04	0.50	12.5	0	96.3	90	110				
Vanadium	2.550	0.30	2.5	0	102	90	110				
Zinc	1.099	0.010	1	0	110	90	110				

Sample ID: ICSA	SampType: ICSA	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685						
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005		Analysis Date: 7/28/2010	SeqNo: 1075508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	545.9	0.050	500	0	109	80	120				
Barium	ND	0.30									
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Calcium	517.8	0.50	500	0	104	80	120				
Chromium	ND	0.050									
Cobalt	ND	0.050									
Copper	ND	0.020									

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: ICSA	SampType: ICSA	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075508

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	172.7	0.030	200	0	86.3	80	120				
Lead	ND	0.10									
Magnesium	499.9	0.50	500	0	100	80	120				
Manganese	ND	0.020									
Nickel	ND	0.030									
Potassium	ND	0.50									
Silver	ND	0.050									
Sodium	ND	0.50									
Vanadium	ND	0.30									
Zinc	0.1215	0.010									

Sample ID: ICSA	SampType: ICSA	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075571

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	556.4	0.050	500	0	111	80	120				
Barium	ND	0.30									
Beryllium	ND	0.0050									
Cadmium	ND	0.0050									
Calcium	528.6	0.50	500	0	106	80	120				
Chromium	ND	0.050									
Cobalt	ND	0.050									
Copper	ND	0.020									
Iron	170.1	0.030	200	0	85.1	80	120				
Lead	ND	0.10									
Magnesium	536.8	0.50	500	0	107	80	120				
Manganese	ND	0.020									
Nickel	ND	0.030									
Potassium	ND	0.50									
Silver	ND	0.050									
Sodium	ND	0.50									

Qualifiers: # Accreditation not offered by NYS DOH for this paramete
 H Holding times for preparation or analysis exceeded
 Q Outlying QC recoveries were associated with this paramete
 B Analyte detected in the associated Method Blank
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: ICSA	SampType: ICSA	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685				
Client ID: ZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075571				
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vanadium	ND	0.30							
Zinc	0.1249	0.010							

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685				
Client ID: ZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075510				
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	553.0	0.050	500	0	111	80	120		
Barium	0.5077	0.30	0.5	0	102	80	120		
Beryllium	0.4934	0.0050	0.5	0	98.7	80	120		
Cadmium	0.9716	0.0050	1	0	97.2	80	120		
Calcium	525.7	0.50	500	0	105	80	120		
Chromium	0.4882	0.050	0.5	0	97.6	80	120		
Cobalt	0.4754	0.050	0.5	0	95.1	80	120		
Copper	0.5166	0.020	0.5	0	103	80	120		
Iron	174.3	0.030	200	0	87.1	80	120		
Lead	0.9688	0.10	1	0	96.9	80	120		
Magnesium	540.1	0.50	500	0	108	80	120		
Manganese	0.4749	0.020	0.5	0	95.0	80	120		
Nickel	0.9039	0.030	1	0	90.4	80	120		
Potassium	ND	0.50							
Silver	1.094	0.050	1	0	109	80	120		
Sodium	0.7720	0.50							
Vanadium	0.5083	0.30	0.5	0	102	80	120		
Zinc	1.036	0.010	1	0	104	80	120		

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685				
Client ID: ZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075572				
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	557.7	0.050	500	0	112	80	120		
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Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

BatchID: R53685

Sample ID: ICSAB	SampType: ICSAB	TestCode: 200.7WT	Units: mg/L	Prep Date:	RunNo: 53685
Client ID: ZZZZ	Batch ID: R53685	TestName: ICP Metals, Totals by NYSDEC ASP 2005	%REC	Analysis Date: 7/28/2010	SeqNo: 1075572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.5017	0.30	0.5	0	100	80	120				
Beryllium	0.4916	0.0050	0.5	0	98.3	80	120				
Cadmium	0.9511	0.0050	1	0	95.1	80	120				
Calcium	530.4	0.50	500	0	106	80	120				
Chromium	0.4835	0.050	0.5	0	96.7	80	120				
Cobalt	0.4723	0.050	0.5	0	94.5	80	120				
Copper	0.5203	0.020	0.5	0	104	80	120				
Iron	171.1	0.030	200	0	85.6	80	120				
Lead	0.9626	0.10	1	0	96.3	80	120				
Magnesium	536.5	0.50	500	0	107	80	120				
Manganese	0.4646	0.020	0.5	0	92.9	80	120				
Nickel	0.9044	0.030	1	0	90.4	80	120				
Potassium	ND	0.50									
Silver	1.102	0.050	1	0	110	80	120				
Sodium	0.6953	0.50									
Vanadium	0.5056	0.30	0.5	0	101	80	120				
Zinc	1.013	0.010	1	0	101	80	120				

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
 Work Order: U1007159
 Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: BOD

Sample ID: MB-R53234	SampType: MBLK	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064310
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	ND	4.0	200	0	RPDLimit
			84	114	Qual

Sample ID: LCS-R53234	SampType: LCS	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064311
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	188.0	4.0	200	0	RPDLimit
			84	114	Qual

Sample ID: U1007159-005ADUP	SampType: DUP	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: DLG4B	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064434
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	ND	4.0	200	0	RPDLimit
			84	114	Qual

Sample ID: U1007158-004ADUP	SampType: DUP	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064438
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	ND	4.0	200	0	RPDLimit
			84	114	Qual

Sample ID: U1007189-004ADUP	SampType: DUP	TestCode: BOD	Units: mg/L	Prep Date:	RunNo: 53234
Client ID: ZZZZZ	Batch ID: R53234	TestName: BOD, 5 Day by SM 18-20 5210B (01)	%REC	Analysis Date: 7/9/2010	SeqNo: 1064452
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Biochemical Oxygen Demand	4.000	4.0	200	0	RPDLimit
			84	114	Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: U1007159-005AMS	SampType: MS	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: DLG4B	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064933
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	135.0	1.00	60	72.2	105
			51.5	156	Q

Sample ID: U1007157-004ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064891
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	28.00	1.00		27.8	0.717
					15

Sample ID: U1007158-002ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064908
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	101.0	1.00		101	0
					15

Sample ID: U1007159-005ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: DLG4B	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064932
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	73.60	1.00		72.2	1.92
					15

Sample ID: U1007189-004ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064943
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	152.0	1.00		154	1.31
					15

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: U1008053-003ADUP	SampType: DUP	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087387
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	24.30	1.00		16.6	37.7
					15
					R

Sample ID: CCB1	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064896
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00			

Sample ID: CCB2	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064907
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00			

Sample ID: CCB3	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064918
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00			

Sample ID: CCB4	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064942
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00			

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007159

Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: CCB5	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064955
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00	LowLimit	HighLimit	RPDLimit
			Qual		

Sample ID: CCB6	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064964
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00	LowLimit	HighLimit	RPDLimit
			Qual		

Q

Sample ID: CCB3	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087349
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00	LowLimit	HighLimit	RPDLimit
			Qual		

Sample ID: CCB5	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087372
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00	LowLimit	HighLimit	RPDLimit
			Qual		

Sample ID: CCB6	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087375
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00	LowLimit	HighLimit	RPDLimit
			Qual		

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: CL_W_AUTO

Sample ID: CCB7	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087380
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	ND	1.00			
			LowLimit	HighLimit	RPDLimit
					Qual

Sample ID: CCB8	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087392
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	ND	1.00			
			LowLimit	HighLimit	RPDLimit
					Qual

Sample ID: CCB9	SampType: CCB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087405
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	ND	1.00			
			LowLimit	HighLimit	RPDLimit
					Qual

Sample ID: CCV	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064885
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	80.20	1.00	75	0	107
			LowLimit	HighLimit	RPDLimit
					Qual

Sample ID: CCV1	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 7/14/2010	SeqNo: 1064895
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	81.40	1.00	75	0	109
			LowLimit	HighLimit	RPDLimit
					Qual

Qualifiers:	#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: CCV2	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064906
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	82.70	1.00	75	0	RPDLimit
			110	90	Qual
				110	SQ

Sample ID: CCV3	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064917
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	82.50	1.00	75	0	RPDLimit
			110	90	Qual
				110	SQ

Sample ID: CCV4	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064941
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	83.10	1.00	75	0	RPDLimit
			111	90	Qual
				110	SQ

Sample ID: CCV5	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064954
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	82.10	1.00	75	0	RPDLimit
			109	90	Qual
				110	SQ

Sample ID: CCV6	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064963
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	82.66	1.00	75	0	RPDLimit
			110	90	Qual
				110	SQ

Qualifiers: # Accreditation not offered by NYS DOH for this paramet B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramet R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: CCV	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087337
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	69.60	1.00	75	0	92.8
			LowLimit	HighLimit	RPD Ref Val
			90	110	%RPD
					RPDLimit
					Qual

Sample ID: CCV3	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087348
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	70.20	1.00	75	0	93.6
			LowLimit	HighLimit	RPD Ref Val
			90	110	%RPD
					RPDLimit
					Qual

Sample ID: CCV5	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087370
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	70.60	1.00	75	0	94.1
			LowLimit	HighLimit	RPD Ref Val
			90	110	%RPD
					RPDLimit
					Qual

Sample ID: CCV6	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087374
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	70.20	1.00	75	0	93.6
			LowLimit	HighLimit	RPD Ref Val
			90	110	%RPD
					RPDLimit
					Qual

Sample ID: CCV7	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A		Analysis Date: 8/11/2010	SeqNo: 1087379
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Chloride	77.50	1.00	75	0	103
			LowLimit	HighLimit	RPD Ref Val
			90	110	%RPD
					RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: CCV8	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087391
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	70.60	1.00	75	0	94.1
			LowLimit	HighLimit	RPD Limit
			90	110	Qual

Sample ID: CCV9	SampType: CCV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087404
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	70.20	1.00	75	0	93.6
			LowLimit	HighLimit	RPD Limit
			90	110	Qual

Sample ID: ICB	SampType: ICB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064884
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00			

Sample ID: ICB	SampType: ICB	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087336
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	ND	1.00			

Sample ID: ICV	SampType: ICV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53263
Client ID: ZZZZZ	Batch ID: R53263	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 7/14/2010	SeqNo: 1064883
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	121.0	1.00	127	0	95.3
			LowLimit	HighLimit	RPD Limit
			86	113	Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: CL_W_AUTO

Sample ID: ICV	SampType: ICV	TestCode: CL_W_AUTO	Units: mg/L	Prep Date:	RunNo: 54132
Client ID: ZZZZZ	Batch ID: R54132	TestName: Chloride Waters by Lachat 10-117-07-1 A	%REC	Analysis Date: 8/11/2010	SeqNo: 1087335
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD
Chloride	80.20	1.00	82.8	0	96.9
			LowLimit	HighLimit	RPDLimit
			82	118	Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete **B** Analyte detected in the associated Method Blank **E** Value above quantitation range
H Holding times for preparation or analysis exceeded **J** Analyte detected below quantitation limits **ND** Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete **R** RPD outside accepted recovery limits **S** Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: COD

Sample ID: MB-R53437	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1068985
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		RPD Ref Val	RPDLimit
				Qual	Qual

Sample ID: MB-R53437	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1069017
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		RPD Ref Val	RPDLimit
				Qual	Qual

Sample ID: MB-R53561	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/22/2010	SeqNo: 1071756
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		RPD Ref Val	RPDLimit
				Qual	Qual

Sample ID: MB-R53561	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/22/2010	SeqNo: 1071782
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		RPD Ref Val	RPDLimit
				Qual	Qual

Sample ID: MB	SampType: MBLK	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53576
Client ID: ZZZZZ	Batch ID: R53576	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/24/2010	SeqNo: 1072252
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		RPD Ref Val	RPDLimit
				Qual	Qual

Qualifiers:

#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this param	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: COD

Sample ID: LCS-R53437	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069986
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	86.70	20	107	76	124
			SPK value	SPK Ref Val	%RPD
			81.4	0	RPDLimit
					Qual

Sample ID: LCS-R53437	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069018
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	77.42	20	95.1	76	124
			SPK value	SPK Ref Val	%RPD
			81.4	0	RPDLimit
					Qual

Sample ID: LCS-R53561	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071757
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	87.14	20	107	76	124
			SPK value	SPK Ref Val	%RPD
			81.4	0	RPDLimit
					Qual

Sample ID: LCS-R53561	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071783
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	78.53	20	96.5	76	124
			SPK value	SPK Ref Val	%RPD
			81.4	0	RPDLimit
					Qual

Sample ID: LCS	SampType: LCS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53576
Client ID: ZZZZZ	Batch ID: R53576	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/24/2010	SeqNo: 1072253
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Chemical Oxygen Demand	92.00	20	113	76	124
			SPK value	SPK Ref Val	%RPD
			81.4	0	RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: COD

Sample ID: U1007159-005BMS	SampType: MS	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: DLG4B	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069005
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	83.15	20	70.3	60	140
			SPK value	SPK Ref Val	RPDLimit
			50	47.98	Qual

Sample ID: U1007159-002BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1068993
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		20.1	0
			SPK value	SPK Ref Val	RPDLimit
					Qual

Sample ID: U1007159-005BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: DLG4B	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069004
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	45.35	20		47.98	5.64
			SPK value	SPK Ref Val	RPDLimit
					Qual

Sample ID: U1007189-004BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069013
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	48.89	20		0	200
			SPK value	SPK Ref Val	RPDLimit
					Qual

Sample ID: U1007207-011CDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069033
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20		0	0
			SPK value	SPK Ref Val	RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
H Holding times for preparation or analysis exceeded
Q Outlying QC recoveries were associated with this parameter
B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: COD

Sample ID: U1007253-008BDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069048
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	0	0	15

Sample ID: U1007235-003CDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071785
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	0	0	15

Sample ID: U1007235-014CDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071800
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	0	0	15

Sample ID: U1007277-001CDUP	SampType: DUP	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071814
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	67.56	20	76.61	12.6	15

Sample ID: CCB1	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069000
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	0	0	15

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: COD

Sample ID: CCB2	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069016
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB3	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069030
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB4	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069042
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB5	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/20/2010	SeqNo: 1069056
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB1	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071769
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007159

Project: Dunkirk Landfill

TestCode: COD

Sample ID: CCB2	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071781
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB3	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071798
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB4	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071811
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB5	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071823
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: CCB	SampType: CCB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53576
Client ID: ZZZZ	Batch ID: R53576	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/24/2010	SeqNo: 1072261
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	ND	20	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: COD

Sample ID: CCV1	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1068999
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	79.81	20	106	80	120
				RPD Ref Val	RPDLimit
				SPK value	Qual
				75	0

Sample ID: CCV2	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1069015
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	79.91	20	107	80	120
				RPD Ref Val	RPDLimit
				SPK value	Qual
				75	0

Sample ID: CCV3	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1069029
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	78.77	20	105	80	120
				RPD Ref Val	RPDLimit
				SPK value	Qual
				75	0

Sample ID: CCV4	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1069041
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	78.02	20	104	80	120
				RPD Ref Val	RPDLimit
				SPK value	Qual
				75	0

Sample ID: CCV5	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1069055
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	77.72	20	104	80	120
				RPD Ref Val	RPDLimit
				SPK value	Qual
				75	0

Qualifiers: # Accreditation not offered by NYS DOH for this parameter
H Holding times for preparation or analysis exceeded
Q Outlying QC recoveries were associated with this parameter
B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
E Value above quantitation range
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: UI007159

Project: Dunkirk Landfill

TestCode: COD

Sample ID: CCV1	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071768
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	89.13	20	119	80	120

Sample ID: CCV2	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071780
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	88.12	20	117	80	120

Sample ID: CCV3	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071797
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	86.06	20	115	80	120

Sample ID: CCV4	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071810
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	77.85	20	104	80	120

Sample ID: CCV5	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071822
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	73.43	20	97.9	80	120

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: COD

Sample ID: CCV	SampType: CCV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53576
Client ID: ZZZZZ	Batch ID: R53576	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/24/2010	SeqNo: 1072260
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	76.77	20	102	80	120
				RPD Ref Val	RPDLimit
					Qual

Sample ID: ICB	SampType: ICB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1068984
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20			
				RPD Ref Val	RPDLimit
					Qual

Sample ID: ICB	SampType: ICB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/22/2010	SeqNo: 1071755
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20			
				RPD Ref Val	RPDLimit
					Qual

Sample ID: ICB	SampType: ICB	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53576
Client ID: ZZZZZ	Batch ID: R53576	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/24/2010	SeqNo: 1072251
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	ND	20			
				RPD Ref Val	RPDLimit
					Qual

Sample ID: ICV	SampType: ICV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53437
Client ID: ZZZZZ	Batch ID: R53437	TestName: COD by EPA 410.4 Rev. 2.0		Analysis Date: 7/20/2010	SeqNo: 1068983
Analyte	Result	PQL	%REC	HighLimit	%RPD
Chemical Oxygen Demand	100.9	20	101	80	120
				RPD Ref Val	RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this param R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: COD

Sample ID: ICV	SampType: ICV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53561
Client ID: ZZZZZ	Batch ID: R53561	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/22/2010	SeqNo: 1071754
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	118.2	20	80	120	RPDLimit
					Qual

Sample ID: ICV	SampType: ICV	TestCode: COD	Units: mg/L	Prep Date:	RunNo: 53576
Client ID: ZZZZZ	Batch ID: R53576	TestName: COD by EPA 410.4 Rev. 2.0	%REC	Analysis Date: 7/24/2010	SeqNo: 1072250
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Chemical Oxygen Demand	105.6	20	80	120	RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NH3_W_AUTO

Sample ID: U1007159-005BMS	SampType: MS	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: DLG4B	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063312	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Ammonia (As N)	14.30	0.500	10	4.39	99.1
					75
					125
					%RPD
					RPDLimit
					Qual

Sample ID: U1006602-006BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063221	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Ammonia (As N)	ND	0.500			0
					0
					10
					%RPD
					RPDLimit
					Qual

Sample ID: U1007157-004BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063283	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Ammonia (As N)	ND	0.500			0
					0
					10
					%RPD
					RPDLimit
					Qual

Sample ID: U1007157-007BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063290	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Ammonia (As N)	ND	0.500			0
					0
					10
					%RPD
					RPDLimit
					Qual

Sample ID: U1007158-002BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063300	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Ammonia (As N)	ND	0.500			0
					0
					10
					%RPD
					RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NH3_W_AUTO

Sample ID: U1007159-005BDUP	SampType: DUP	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: DLG4B	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063309
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	4.450	0.500	4.39	1.36	10

Sample ID: CCB1	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063228
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB2	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063249
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB3	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063261
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB4	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063275
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analytic detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analytic detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: UI007159
Project: Dunkirk Landfill

TestCode: NH3_W_AUTO

Sample ID: CCB5	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B		Analysis Date: 7/12/2010	SeqNo: 1063287
Analyte	Result	PQL	%REC	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB6	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B		Analysis Date: 7/12/2010	SeqNo: 1063299
Analyte	Result	PQL	%REC	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB7	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B		Analysis Date: 7/12/2010	SeqNo: 1063311
Analyte	Result	PQL	%REC	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB8	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B		Analysis Date: 7/12/2010	SeqNo: 1063321
Analyte	Result	PQL	%REC	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: CCB9	SampType: CCB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B		Analysis Date: 7/12/2010	SeqNo: 1063330
Analyte	Result	PQL	%REC	HighLimit	RPDLimit
Nitrogen, Ammonia (As N)	ND	0.500			

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: NH3_W_AUTO

Sample ID: CCV	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063216	
Analyte	Result	PQL	%REC	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.600	0.500	101	90	110
				LowLimit	%RPD
				RPDLimit	Qual

Sample ID: CCV1	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063227	
Analyte	Result	PQL	%REC	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.620	0.500	102	90	110
				LowLimit	%RPD
				RPDLimit	Qual

Sample ID: CCV2	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063248	
Analyte	Result	PQL	%REC	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.700	0.500	103	90	110
				LowLimit	%RPD
				RPDLimit	Qual

Sample ID: CCV3	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063260	
Analyte	Result	PQL	%REC	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.700	0.500	103	90	110
				LowLimit	%RPD
				RPDLimit	Qual

Sample ID: CCV4	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063274	
Analyte	Result	PQL	%REC	HighLimit	RPD Ref Val
Nitrogen, Ammonia (As N)	7.720	0.500	103	90	110
				LowLimit	%RPD
				RPDLimit	Qual

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NH3_W_AUTO

Sample ID: CCV5	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063286	
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit
Nitrogen, Ammonia (As N)	7.700	0.500	7.5	0	90
		%REC	LowLimit	RPD Ref Val	%RPD
		103	90	110	
			RPDLimit	Qual	

Sample ID: CCV6	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063298	
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit
Nitrogen, Ammonia (As N)	7.520	0.500	7.5	0	90
		%REC	LowLimit	RPD Ref Val	%RPD
		100	90	110	
			RPDLimit	Qual	

Sample ID: CCV7	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063310	
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit
Nitrogen, Ammonia (As N)	7.630	0.500	7.5	0	90
		%REC	LowLimit	RPD Ref Val	%RPD
		102	90	110	
			RPDLimit	Qual	

Sample ID: CCV8	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063320	
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit
Nitrogen, Ammonia (As N)	7.610	0.500	7.5	0	90
		%REC	LowLimit	RPD Ref Val	%RPD
		101	90	110	
			RPDLimit	Qual	

Sample ID: CCV9	SampType: CCV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	Analysis Date: 7/12/2010	SeqNo: 1063329	
Analyte	Result	PQL	SPK value	SPK Ref Val	HighLimit
Nitrogen, Ammonia (As N)	7.480	0.500	7.5	0	90
		%REC	LowLimit	RPD Ref Val	%RPD
		99.7	90	110	
			RPDLimit	Qual	

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: UI007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: NH3_W_AUTO

Sample ID: ICB	SampType: ICB	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063215
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	ND	0.500			

Sample ID: ICV	SampType: ICV	TestCode: NH3_W_AUTO	Units: mg/L	Prep Date:	RunNo: 53185
Client ID: ZZZZZ	Batch ID: R53185	TestName: NH3 by Lachat 10-107-06-1-B	%REC	Analysis Date: 7/12/2010	SeqNo: 1063214
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Ammonia (As N)	5.470	0.500	103	73	128

Qualifiers:	#	Description	E	Value above quantitation range
H		Accreditation not offered by NYS DOH for this parameter	ND	Not Detected at the Reporting Limit
Q		Holding times for preparation or analysis exceeded	S	Spike Recovery outside accepted recovery limits
		Outlying QC recoveries were associated with this parameter		
		Analyte detected in the associated Method Blank		
		Analyte detected below quantitation limits		
		RPD outside accepted recovery limits		

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007159

Project: Dunkirk Landfill

TestCode: NO2_W

Sample ID: U1007159-005AMS	SampType: MS	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274			
Client ID: DLG4B	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065185			
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual	
Nitrogen, Nitrite (as N)	1.120	0.0500	1	0	112	70	120	H

Sample ID: U1007157-007ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274		
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065181		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N)	ND	0.0500		0	0	20	H

Sample ID: U1007159-005ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274		
Client ID: DLG4B	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065184		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N)	ND	0.0500		0	0	20	H

Sample ID: U1007157-004ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274		
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065204		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N)	ND	0.0500		0	0	20	H

Sample ID: U1007158-002ADUP	SampType: DUP	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274		
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065207		
Analyte	Result	PQL	SPK value	SPK Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N)	ND	0.0500		0	0	20	H

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NO2_W

Sample ID: CCB4	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1065159
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB5	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1065163
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB2	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065194
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB3	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065211
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Sample ID: CCB4	SampType: CCB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065216
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	ND	0.0500			

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NO2_W

Sample ID: CCV1	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	Analysis Date: 7/9/2010	SeqNo: 1062231	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.060	0.0500	1	0	106
					90
					110
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: CCV2	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	Analysis Date: 7/9/2010	SeqNo: 1062285	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.060	0.0500	1	0	106
					90
					110
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: CCV3	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	Analysis Date: 7/9/2010	SeqNo: 1062306	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.070	0.0500	1	0	107
					107
					110
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: CCV4	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	Analysis Date: 7/9/2010	SeqNo: 1065158	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.080	0.0500	1	0	108
					108
					110
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

Sample ID: CCV5	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	Analysis Date: 7/9/2010	SeqNo: 1065162	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.080	0.0500	1	0	108
					108
					110
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NO2_W

Sample ID: CCV	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065179
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.070	0.0500	1	0	107
				HighLimit	RPDLimit
				90	110

Sample ID: CCV2	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065193
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.080	0.0500	1	0	108
				HighLimit	RPDLimit
				90	110

Sample ID: CCV3	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065210
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.090	0.0500	1	0	109
				HighLimit	RPDLimit
				90	110

Sample ID: CCV4	SampType: CCV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065214
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	1.090	0.0500	1	0	109
				HighLimit	RPDLimit
				90	110

Sample ID: ICB	SampType: ICB	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C		Analysis Date: 7/10/2010	SeqNo: 1065176
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Nitrogen, Nitrite (as N)	ND	0.0500			

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: NO2_W

Sample ID: ICV	SampType: ICV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53155
Client ID: ZZZZZ	Batch ID: R53155	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/9/2010	SeqNo: 1062228
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	0.4880	0.0500	96.6	85	115

Sample ID: ICV	SampType: ICV	TestCode: NO2_W	Units: mg/L	Prep Date:	RunNo: 53274
Client ID: ZZZZZ	Batch ID: R53274	TestName: Nitrogen, Nitrite (as N) by Lachat 10-107-04-1C	%REC	Analysis Date: 7/10/2010	SeqNo: 1065175
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Nitrogen, Nitrite (as N)	0.4950	0.0500	98.0	85	115

Qualifiers:	#	Accreditation not offered by NYS DOH for this paramete	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this paramete	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: TDS

Sample ID: MB-R53242	SampType: MBLK	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064497
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	ND	25	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: MB-R53284	SampType: MBLK	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53284
Client ID: ZZZZZ	Batch ID: R53284	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/14/2010	SeqNo: 1065514
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	ND	25	SPK value	RPD Ref Val	RPDLimit
			SPK Ref Val		Qual

Sample ID: LCS-R53242	SampType: LCS	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064498
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	770.0	25	79.4	77.4	122.7
			0		

Sample ID: LCS-R53284	SampType: LCS	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53284
Client ID: ZZZZZ	Batch ID: R53284	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/14/2010	SeqNo: 1065515
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	930.0	25	95.9	77.4	122.7
			0		

Sample ID: U1007157-004ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064504
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	180.0	25	190	5.41	25

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: TDS

Sample ID: U1007157-007ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064508
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	1620	25		1630	0.615
					25

Sample ID: U1007158-002ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: ZZZZZ	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064515
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	380.0	25		372.5	1.99
					25

Sample ID: U1007159-005ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53242
Client ID: DLG4B	Batch ID: R53242	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/13/2010	SeqNo: 1064523
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	492.5	25		482.5	2.05
					25

Sample ID: U1007189-004ADUP	SampType: DUP	TestCode: TDS	Units: mg/L	Prep Date:	RunNo: 53284
Client ID: ZZZZZ	Batch ID: R53284	TestName: TDS by SM 18-21 2540C (97)	%REC	Analysis Date: 7/14/2010	SeqNo: 1065524
Analyte	Result	PQL	LowLimit	HighLimit	%RPD
Residue, Dissolved (TDS)	1415	25		1405	0.709
					25

Qualifiers: # Accreditation not offered by NYS DOH for this parameter B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this parameter R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: TOC_W

Sample ID: U1007159-005DMS	SampType: MS	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: DLG4B	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064798
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	21.32	3.00	122	60	130

Sample ID: U1007157-004FDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064771
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	4.251	3.00	4.179	1.71	15

Sample ID: U1007157-007FDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064776
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00	0	0	15

Sample ID: U1007158-002DDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064786
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	4.525	3.00	4.371	3.46	15

Sample ID: U1007159-005DDUP	SampType: DUP	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: DLG4B	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064797
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	10.80	3.00	9.147	16.6	15

Qualifiers:	#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U1007159
Project: Dunkirk Landfill

TestCode: TOC_W

Sample ID: CCB1	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064780
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Organic Carbon, Total	ND	3.00			

Sample ID: CCB2	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064794
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Organic Carbon, Total	ND	3.00			

Sample ID: CCB3	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064810
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Organic Carbon, Total	ND	3.00			

Sample ID: CCB4	SampType: CCB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064822
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Organic Carbon, Total	ND	3.00			

Sample ID: CCV1	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064779
Analyte	Result	PQL	LowLimit	HighLimit	RPDLimit
Organic Carbon, Total	20.12	3.00	101	78	122

Qualifiers: # Accreditation not offered by NYS DOH for this paramete B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit
 Q Outlying QC recoveries were associated with this paramete R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Applied Testing and Geosciences, LLC

Work Order: U1007159

Project: Dunkirk Landfill

TestCode: TOC_W

Sample ID: CCV2	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064793
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	51.10	3.00	102	78	122
			SPK value	SPK Ref Val	%RPD
			50	0	RPDLimit
					Qual

Sample ID: CCV3	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064809
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	19.81	3.00	99.0	78	122
			SPK value	SPK Ref Val	%RPD
			20	0	RPDLimit
					Qual

Sample ID: CCV4	SampType: CCV	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064821
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	50.82	3.00	102	78	122
			SPK value	SPK Ref Val	%RPD
			50	0	RPDLimit
					Qual

Sample ID: ICB	SampType: ICB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064764
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	ND	3.00	101	83	118
			SPK value	SPK Ref Val	%RPD
			43.5	0	RPDLimit
					Qual

Sample ID: ICB	SampType: ICB	TestCode: TOC_W	Units: mg/L	Prep Date:	RunNo: 53257
Client ID: ZZZZZ	Batch ID: R53257	TestName: TOC by SM 18-21 5310B (00)	%REC	Analysis Date: 7/12/2010	SeqNo: 1064763
Analyte	Result	PQL	LowLimit	HighLimit	RPD Ref Val
Organic Carbon, Total	43.98	3.00	101	83	118
			SPK value	SPK Ref Val	%RPD
			43.5	0	RPDLimit
					Qual

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	B	Analyte detected in the associated Method Blank	E	Value above quantization range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
 Phone (315) 437 0255

Chain of Custody Record

Fax (315) 437 1209

Project #/Project Name

Client Contact: **APPLIED TESTING**
 Phone # 610-313-3227
 Location (city/state) Address
DUNKIRK LANDFILL
BRIDGEPORT, PA

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only	Number of Containers										Remarks		
						1	2	3	4	5	6	7	8	9	10			
DLG1A	7/8/10	11:04 am	WATER	GRAB	111057159	X	X	X	X	X								Level II
DLG2	7/8/10	12:46 pm	WATER	GRAB		X	X	X	X	X								
DLG3	7/8/10	12:10 pm	WATER	GRAB		X	X	X	X	X								
DLG4A	7/8/10	10:10 am	WATER	GRAB		X	X	X	X	X								
DLG4B	7/8/10	10:24 am	WATER	GRAB		X	X	X	X	X								MSD
DLG9	7/7/10	3:45 pm	WATER	GRAB		X	X	X	X	X								Well cannot be located
Pipe DLG 3	7/8/10	12:10 pm	Water	Grab		X	X	X	X	X								

Parameter and Method	Sample bottle:	Type	Size	Preservative	Sampled by (Print)										Name of Courier				
					Company: ULI Dan Awell														
1 BOD5, CL-, TDS, NO2		PLASTIC	2000 ML	NONE															
2 COD, NH3		PLASTIC	500 ML	H2SO4															
3 T-FE, MN, NA		PLASTIC	500 ML	HNO3															
4 TOC		PLASTIC	120 ML	1:1 HCL															
5 FIELD PH, TEMP, SPEC. COND, TURB, EH, SWL		N/A																	
6																			
7																			
8																			
9																			
10																			

Relinquished by: (sign) *[Signature]* Date 7/8/10 2pm Time
 Relinquished by: (sign) *[Signature]* Date 7/8/10 2pm Time
 Relinquished by: (sign) *[Signature]* Date 7/8/10 2pm Time
 Rec'd for Lab by: *[Signature]* Date 7/8/10 2pm Time
 Albany Binghamton Fair Lawn (NJ)