07504.GW47

2nd QUARTER 2009 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

February 2010

SECOND QUARTER 2009
MONITORING RESULTS
DUNKIRK LANDFILL
CHAUTAUQUA COUNTY, NY

Prepared For

CHAUTAUQUA COUNTY DEPARTMENT OF
PUBLIC FACILITIES

Prepared By:

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401 E. Fourth Street, Building 12-B
Bridgeport, PA 19405

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Project No. 10725

CHAUTAUQUA COUNTY
LANDFILL MONITORING SUMMARY
SECOND QUARTER 2009 SAMPLING EVENT
DUNKIRK LANDFILL

Table of Contents

CHAUTAUQUA COUNTY
LANDFILL MONITORING SUMMARY
SECOND QUARTER 2009 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 2nd quarter of 2009. On April 8, 2009, 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 six (6) groundwater monitoring wells (DLG-1A, DLG-2, DLG-3, DLG-4A, DLG-4B, and DLG-9) and from four (4) surface water locations (DLS-5, DLS-6, DLS-7, and DLS-8). 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. Location DLG1A was re-analyzed for metals. ATG did not calculate the RPD because a duplicate sample was not taken

during the Second quarter 2009 event. 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 2009 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 2nd Quarter 2009) were: Ammonia (DLG-4B), Iron (DLG-4A, DLG-9, DLS-5, DLS-6, DLS-7, and DLS-8), Lead (DLS-7), and Sodium (DLG-4A, DLG-4B, DLG-9, 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.

Total lead was detected at 0.027 mg/L at DLS-7 this event. This is slightly above the NYS GA standard of 0.025 mg/L. It should be noted that low concentrations of lead have been observed at this location on occasion and its presence was previously investigated. DLS-7 is small farm pond upgradient and upstream from the landfill. DLS-7 is located in a vineyard, immediately adjacent to a trap and skeet shooting range. The range is a potential source lead in the pond. The observed chemistry at this location is not affected by the landfill.

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 2009). In addition, the following trends are noted:

- DLG-1A: decrease in Sodium, stability in other parameters.
- DLG-2: Decrease in Specific Conductivity, stability in other parameters.
- DLG-3: Well was dry during several previous events, additional round of data needed to accurately define trends.

- DLG-4A: overall fluctuation of the parameters. Slight long-term increase in Chloride.
- DLG-4B: decreases in Conductivity, Sodium, Chloride, and COD.
- DLG-9: fluctuation/stability in parameters.
- DLS-5: decrease in Chloride, TDS, Sodium, and Specific Conductance.
- DLS-6: decrease in Sodium, TDS, Chloride and Specific Conductance.
- DLS-7: increase in Specific conductivity, but stability on other parameters.
- DLS-8: decrease to stable for all parameters.

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.

The next scheduled monitoring event at the facility is the 2010 Annual Event to be conducted in the 3rd Quarter of 2010 for the site-specific parameters.

It is recommended that following the 2010 sampling event the Dunkirk facility conduct monitoring at a frequency of every five (5) years. The primary technical justification for this request is summarized as follows:

- The length of time that the facility has been closed,
- The quantity of groundwater and surface water quality data collected since closure.
- The consistency of results over the course of the sampling period post-closure.

The attached time series graphs present nine (9) years of sampling data per sampling point. As shown on these graphs, the results are generally consistent over time, with no significant deviations over any 5-year period. It is considered, thus, that a 5-year sample interval will be representative of site conditions and protective of human health and the environment.

DUNKIRK LANDFILL
Second Quarter of 2009

TABLES

TABLE 1
DUNKIRK LANDFILL
SAMPLING POINT LIST

Sampling Point	Well Diameter (ins)	Casing Material	Hydrogeological Unit	Measuring Point Elevation Feet msl	Well Depth (total) Feet)	Purge Depth Feet	Casing Volume	3 Times Casing Volume Gallons	Purge		Depth of Sample	Percent Recharge 24 hours	Purging / Sampling Equipment
DLG1A	4	PVC	GT	690.84	12.25	3.36	5.8	17.3	7.8	Dry	3.45	99%	B/B
DLG2	4	PVC	WB	685.73	20.64	3.53	11.1	33.4	34		3.78	99%	B/B
DLG3	4	PVC	GT	671.94	13.98	5.96	5.2	15.6	5	Dry	11.34	33%	B/B
DLG4A	4	PVC	FILL	667.2	26.32	14.61	7.6	22.8	8	Dry	14.79	98%	B/B
DLG4B	4	PVC	GT	668.11	20.48	14.16	4.1	12.3	4	Dry	14.03	102%	B/B
DLG9	4	PVC	GT	670.76	16.35	2.8	8.8	26.4	9	Dry	2.93	99%	B/B
Surface Water													
DLS5	Hyde Creek (downstream), immediately north of Niagara Mohawk R.O.W.												
DLS6	Hyde Creek (upstream), immediately east of Roberts Road.												
DLS7	Farm pond, south of landfill												
DLS8	From culvert under Niagara Mohawk R.O.W., north side of landfill.												
Abbreviations:	Fill	Demolition rubble and cinders.											
	WB	Weathered Bedrock - fractured upper bedrock water bearing unit											
	GT	Grey Till - lodgment till											
	B	Dedicated Teflon or polyethylene bailer with braided nylon rope.											
	B/B	Indicates a dedicated bailer and rope were used to purge and sample well during representative sampling event.											
Notes:	1)	Representative purge/sample characteristics were recorded during the June 2004 (2Q04) event.											
	2)	Wells recharge slowly, so they are typically purged and then sampled the following day. A minimum of three well volumes must be											
	3)	The measure point is top of PVC casing adjacent to lock-hole on protective steel casing.											

SAMPLING PARAMETERS BOD, COD, TOC, TDS, Chloride, Ammonia, Nitrite, Iron, Lead (Surface water only), Manganese, Sodium

TABLE 2
DUNKIRK LANDFILL
Analytical Results
Second Quarter of 2009

PARAMETER	UNITS	Downgradient										NYSDEC Standards
		DLG-1A	DLG-2	DLG-3	DLG-4A	DLG-4B	DLG-9	DLS-5	DLS-6	DLS-7	DLS-8	
Water Elevation	FT	2.46	1.66	2.53	14.13	14.02	2.11					
Dissolved Oxygen	MG/L							7.49	7.79	6.37	5.88	
Specific Conductivity	UMHOS/CM	655	634	596	863	681	1327	479	471	1706	362	
Field EH/ORP	MV	-89	-68	-79	-40	-52	-54	-45	-71	-97	-90	
Temperature (Field Test)	DEGC	6.5	7.6	7.4	11.8	10.8	8.9	7.2	8.5	6.8	6.9	
Turbidity (Field)	NTU	4.65	19.3	6.81	10.1	2.77	28.9	5.68	4.98	41.2	20	
pH (Field)	SU	8.84	8.48	8.66	7.94	8.14	8.18	8.05	8.49	8.09	8.86	
Ammonia	MG/L	ND (<0.5)	1.21	0.776	0.701	5.03	1.84	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	2
Biochemical Oxygen Demand (BOD5)	MG/L	ND (<4)	ND (<4)	ND (<4)	ND (<4)	6	ND (<4)	ND (<4)	ND (<4)	ND (<4)	ND (<4)	
Chemical Oxygen Demand (COD)	MG/L	ND (<20)	ND (<20)	ND (<20)	ND (<20)	48	36	ND (<20)	ND (<20)	43	46	
Chloride	MG/L	16.4	40.1	16.5	161	79.7	176	111	104	2.78	5.49	250
Total Dissolved Solids (TDS)	MG/L	478	412	752	657	512	992	305	245	108	258	
Total Organic Carbon	MG/L	4.1	ND (<3)	3.5	3.5	11.6	11.1	4.5	3.9	10.2	16.8	
Iron, Total	MG/L	ND (<0.03)	ND (<0.03)	ND (<0.03)	0.44	0.14	1.4	0.77	0.46	3.5	1.1	0.3
Lead, Total	MG/L							ND (<0.00	ND (<0.00	0.027	ND (<0.00	0.025
Manganese, Total	MG/L	ND (<0.02)	ND (<0.02)	ND (<0.02)	0.22	ND (<0.02)	0.096	0.085	0.085	0.12	0.02	0.3
Sodium, Total	MG/L	ND (<0.5)	ND (<0.5)	ND (<0.5)	95	88	140	54	51	0.98	4.3	20
Nitrite	MG/L	0.05	0.05	0.12	0.08	0.05	0.055	0.74	0.05	0.05	0.05	

New York State Groundwater Standard Exceeded

DUNKIRK LANDFILL
Second Quarter of 2009

ATTACHMENT 1: MAPS

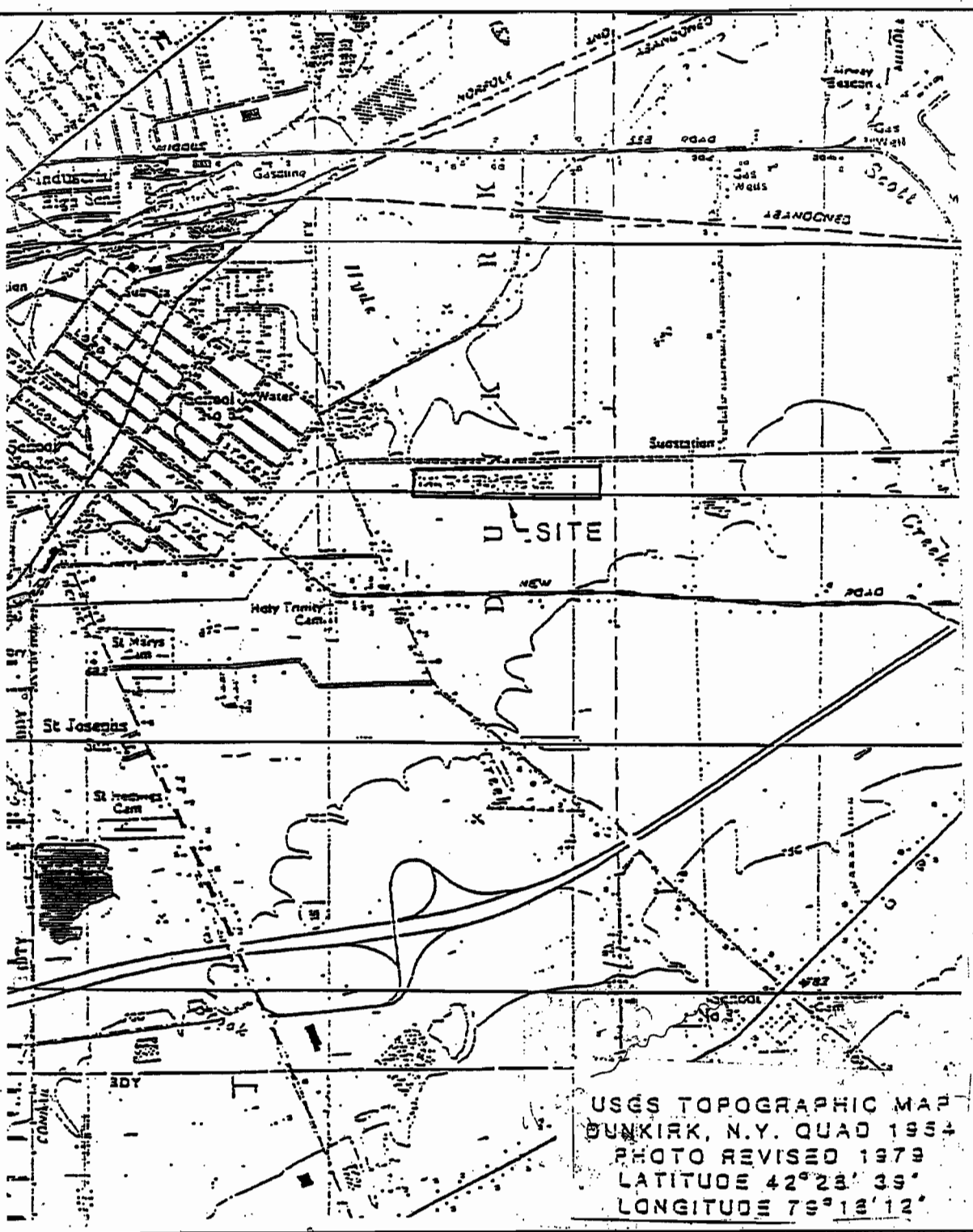


Figure 8a – Site Location

N

April 2005

Not to Scale

Dunkirk Landfill
Chautauqua County, NY

S&W Redevelopment
of North America, LLC

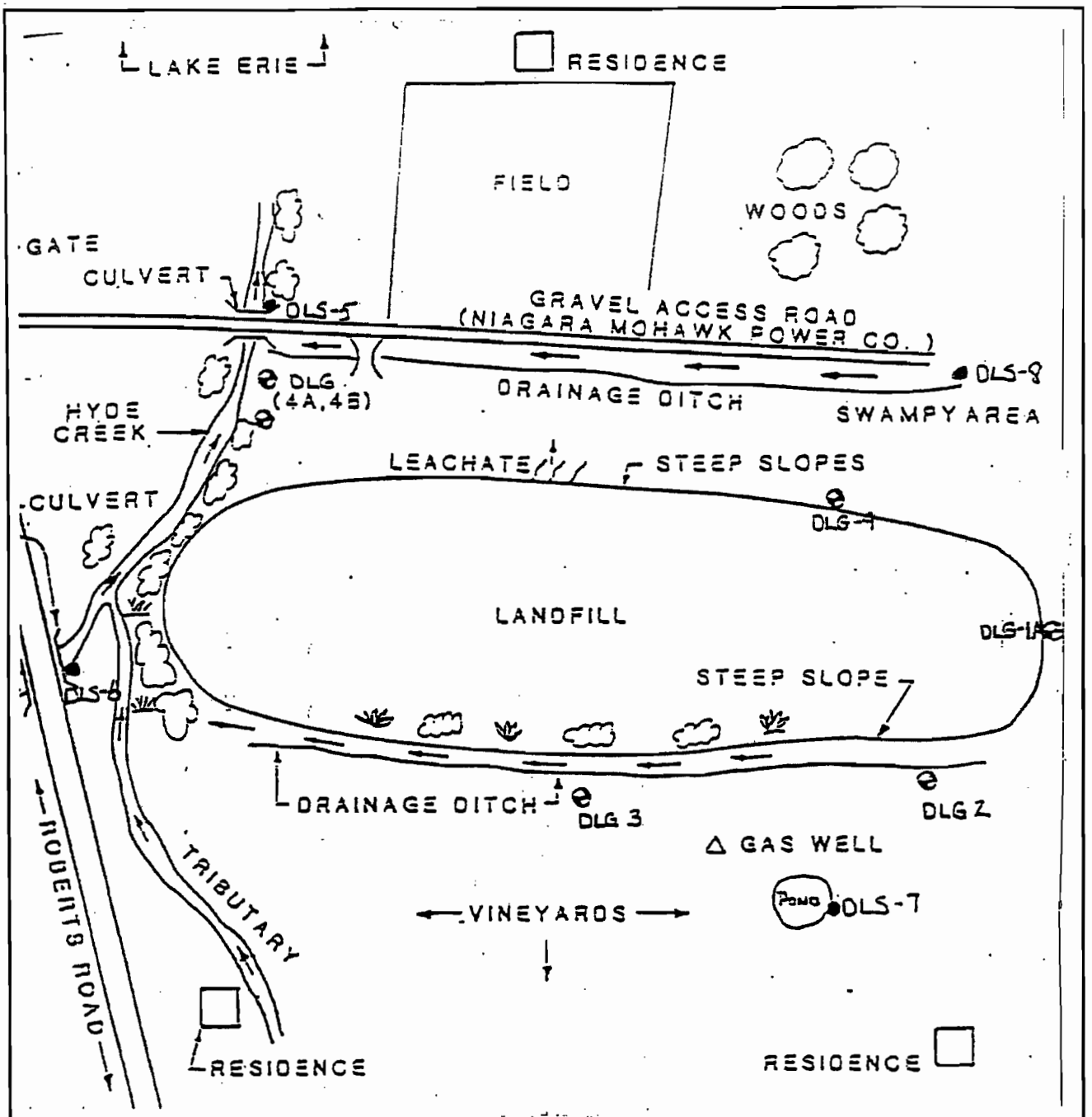


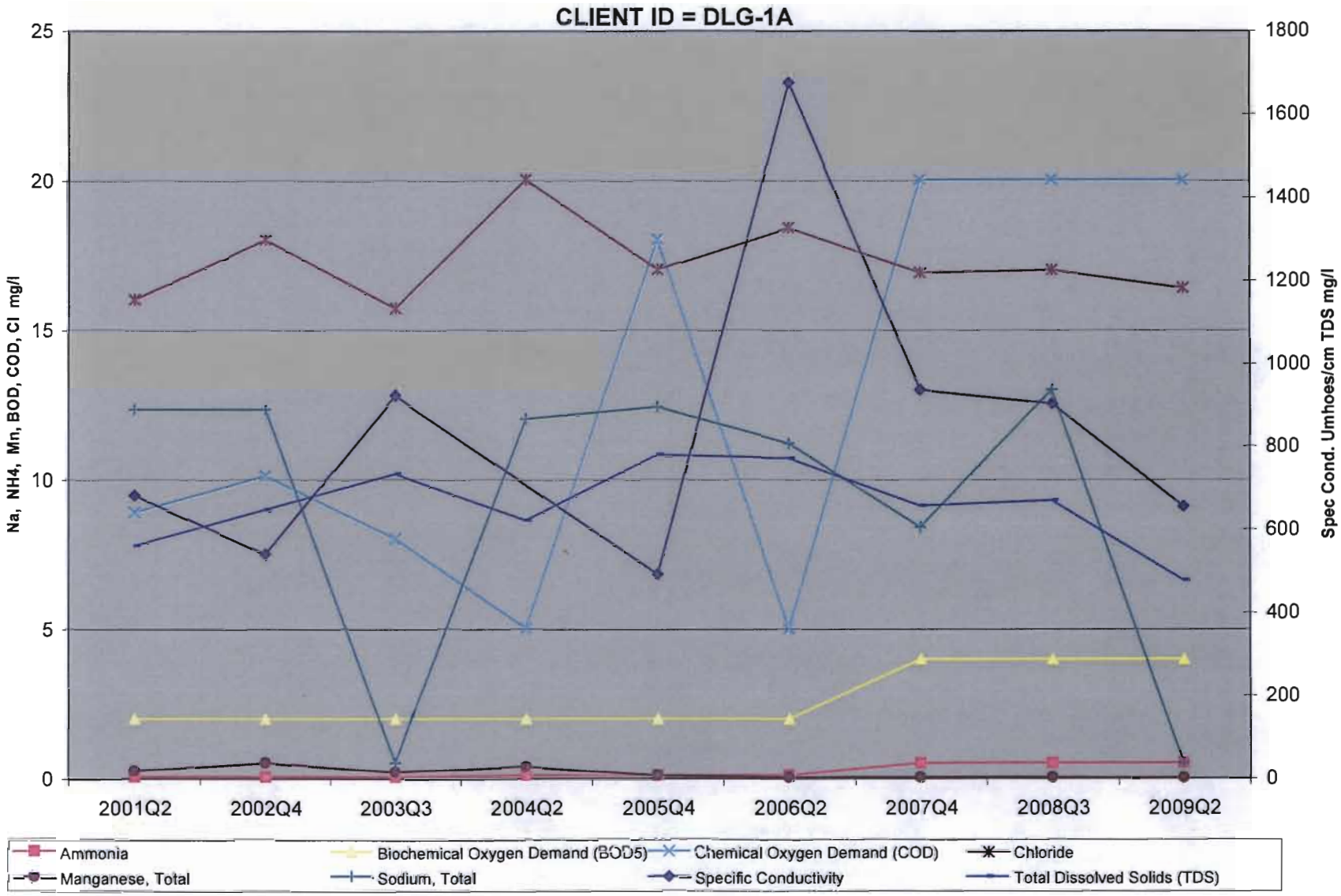
Figure 8b – Site Plan

April 2005	Dunkirk Landfill Chautauqua County, NY	S&W Redevelopment of North America, LLC
Not to Scale		

N

DUNKIRK LANDFILL
Second Quarter of 2009

ATTACHMENT 2: TIME SERIES GRAPHS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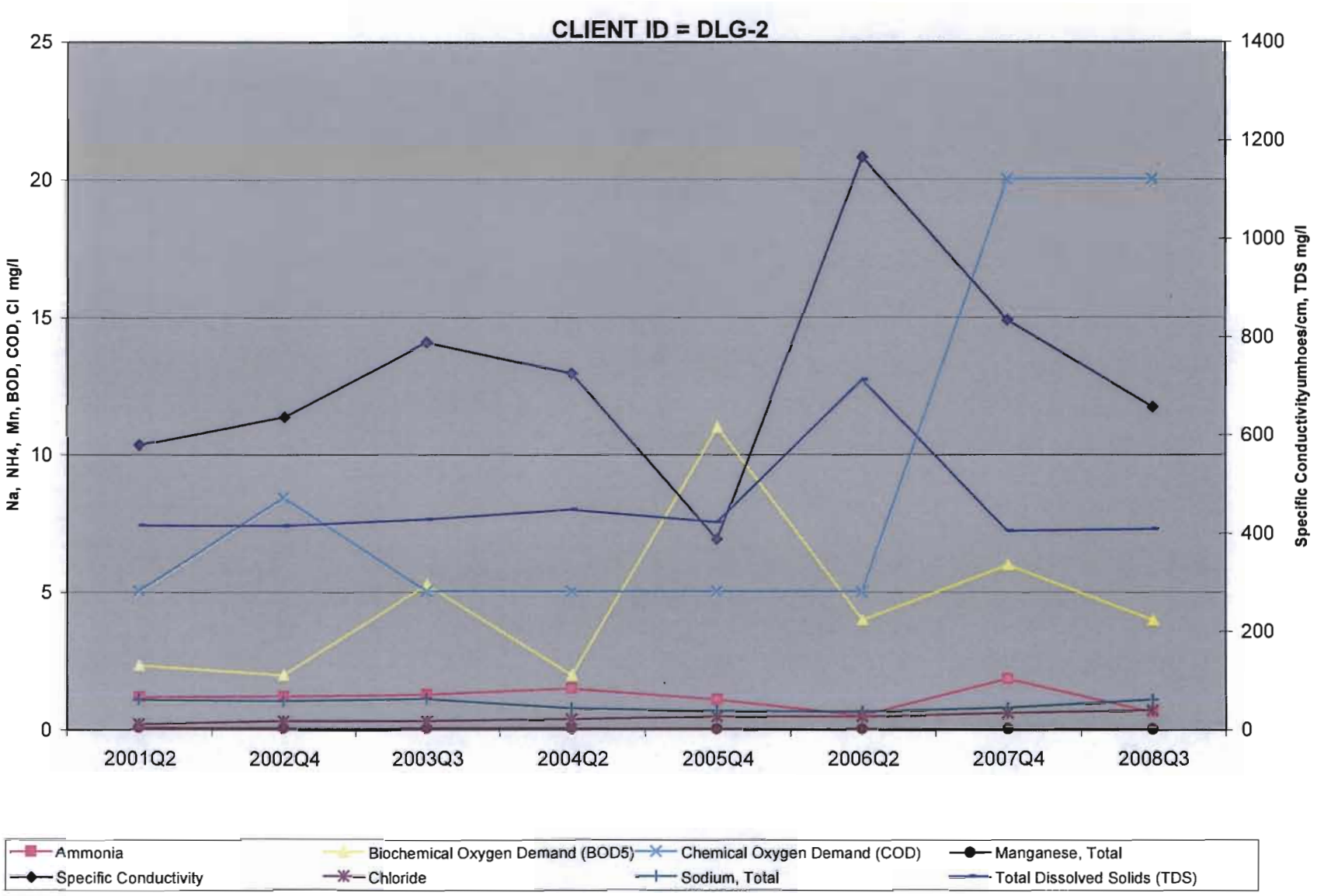
Spec Cond. Umhoes/cm TDS mg/l
25
20
15
10
5
0
1800
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2002Q4
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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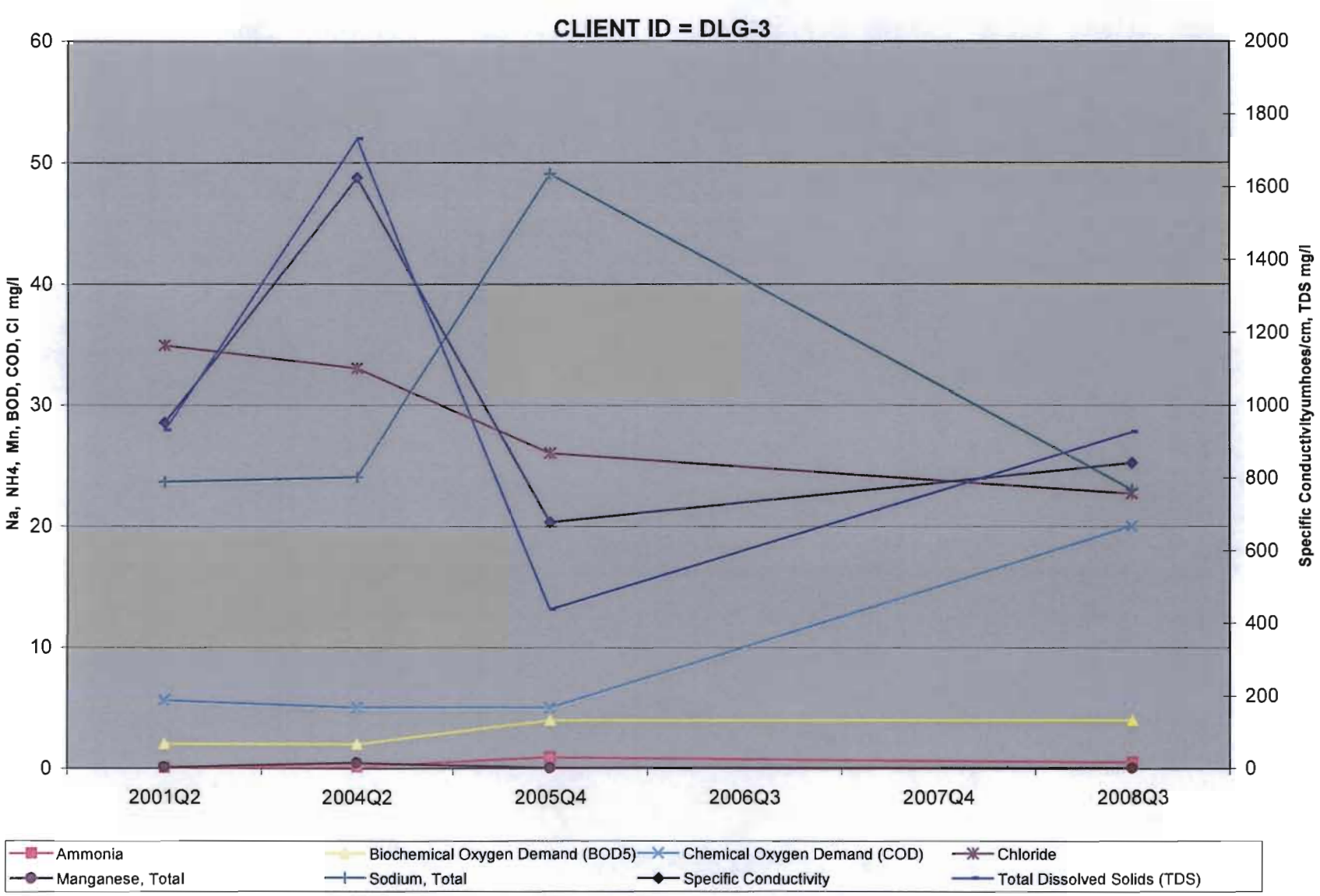
Na, NH4, Mn, BOD, COD, Cl mg/l
Specific Conductivityumhoes/cm, TDS mg/l
25
20
15
10
5
0
1400
1200
1000
800
600
400
200
0
2001Q2
2002Q4
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Manganese, Total
Specific Conductivity
Chloride
Sodium, Total
Total Dissolved Solids (TDS)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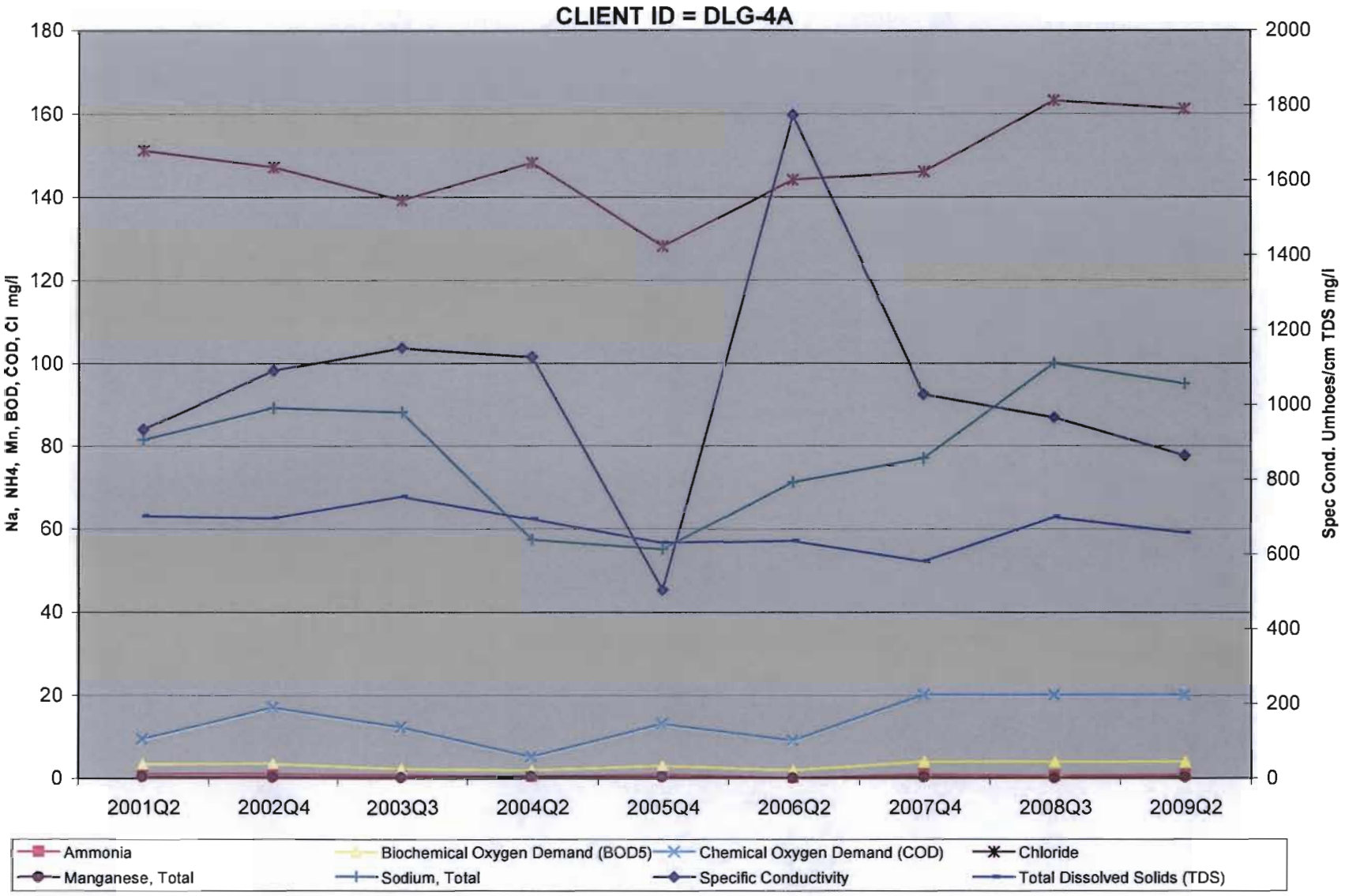
Na, NH4, Mn, BOD, COD, Cl mg/l
Specific Conductivityumhoes/cm, TDS mg/l
60
50
40
30
20
10
0
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2004Q2
2005Q4
2006Q3
2007Q4
2008Q3
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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Spec Cond. Umhoes/cm TDS mg/l
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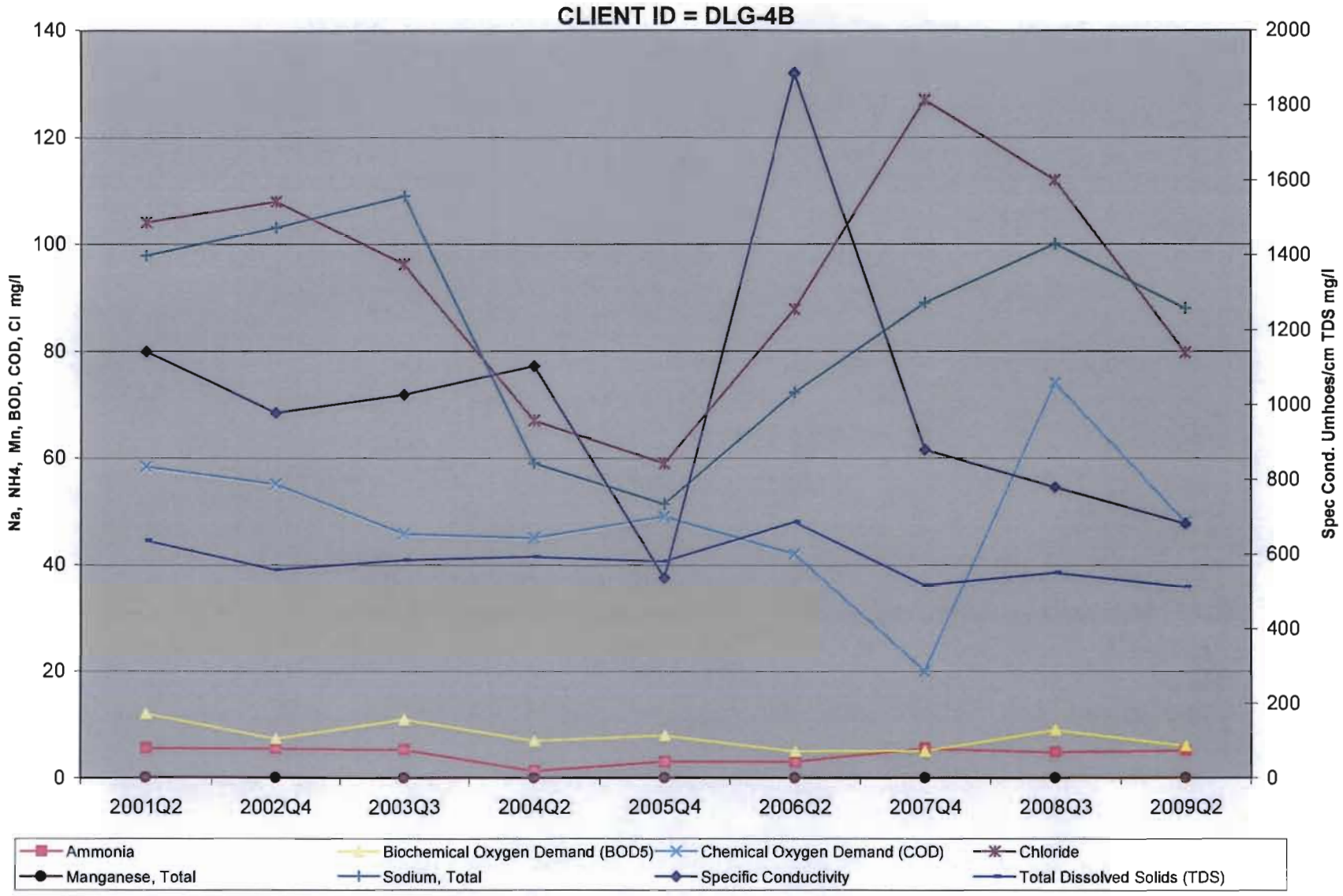
140
120
100
80
60
40
20
0
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2002Q4
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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Spec Cond. Umhoes/cm TDS mg/l
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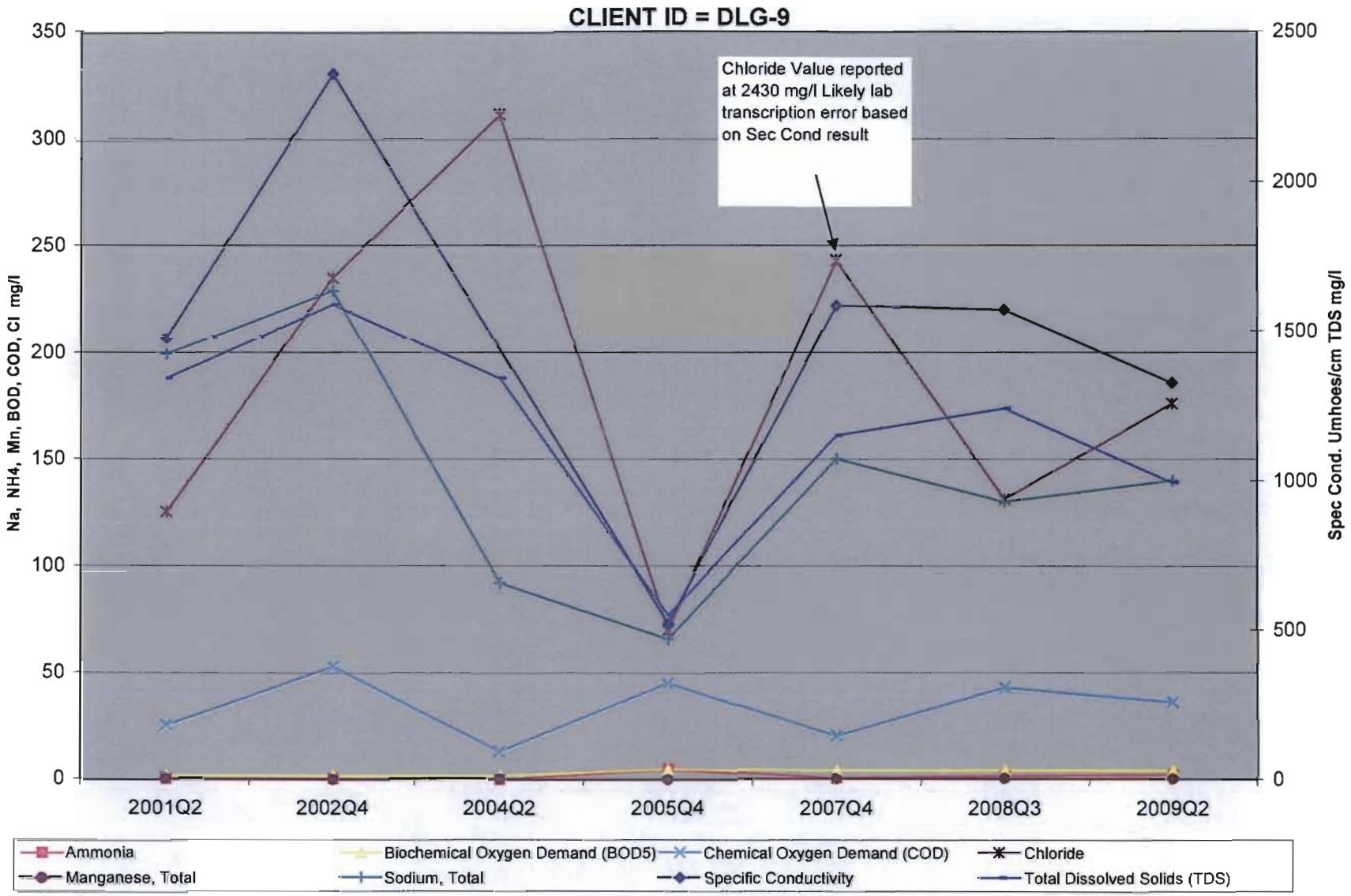
40
20
0
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2002Q4
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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Spec Cond. Umhoes/cm TDS mg/l
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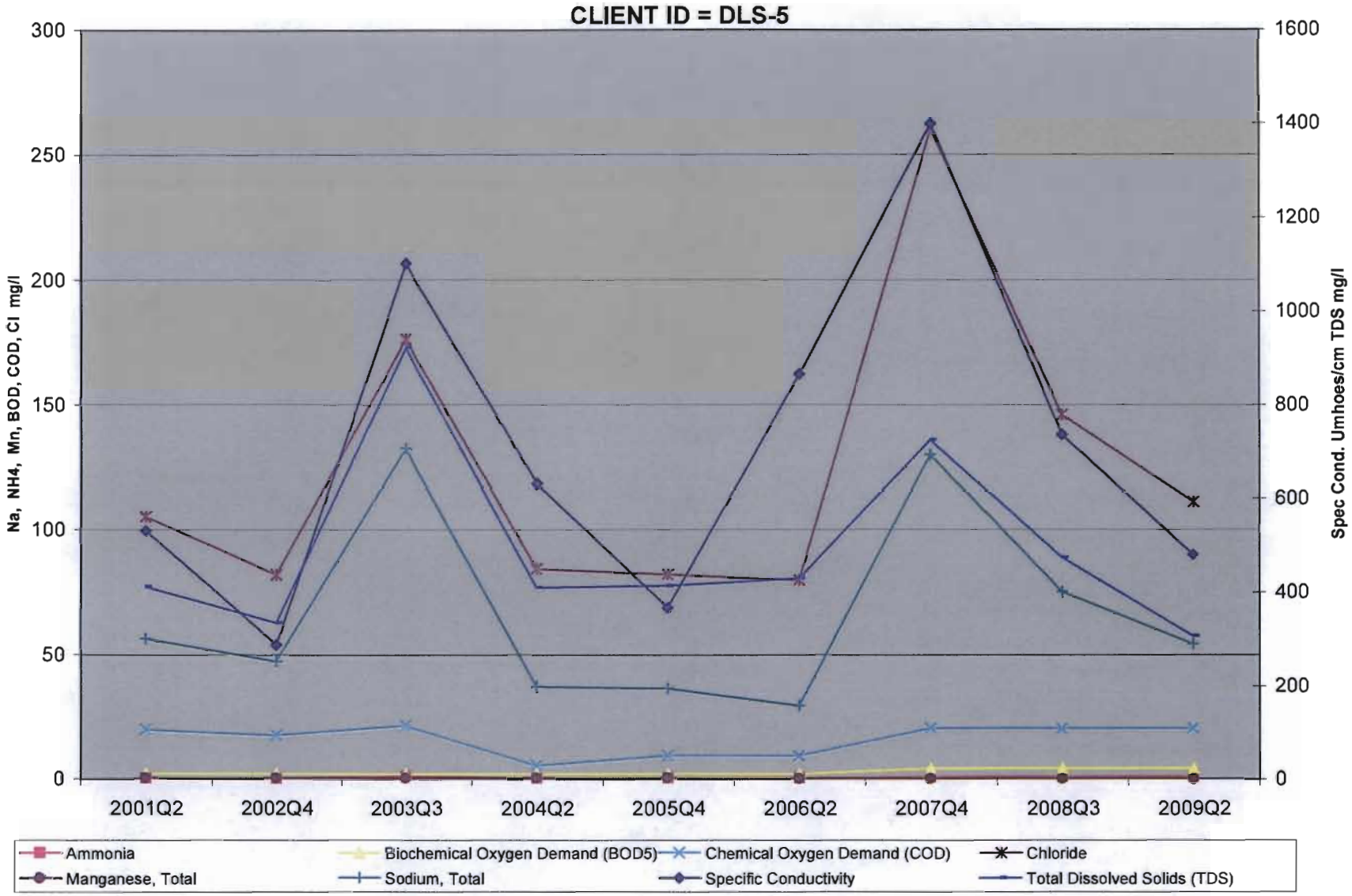
300
250
200
150
100
50
0
2500
2000
1500
1000
500
0
2001Q2
2002Q4
2004Q2
2005Q4
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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Spec Cond. Umhoes/cm TDS mg/l
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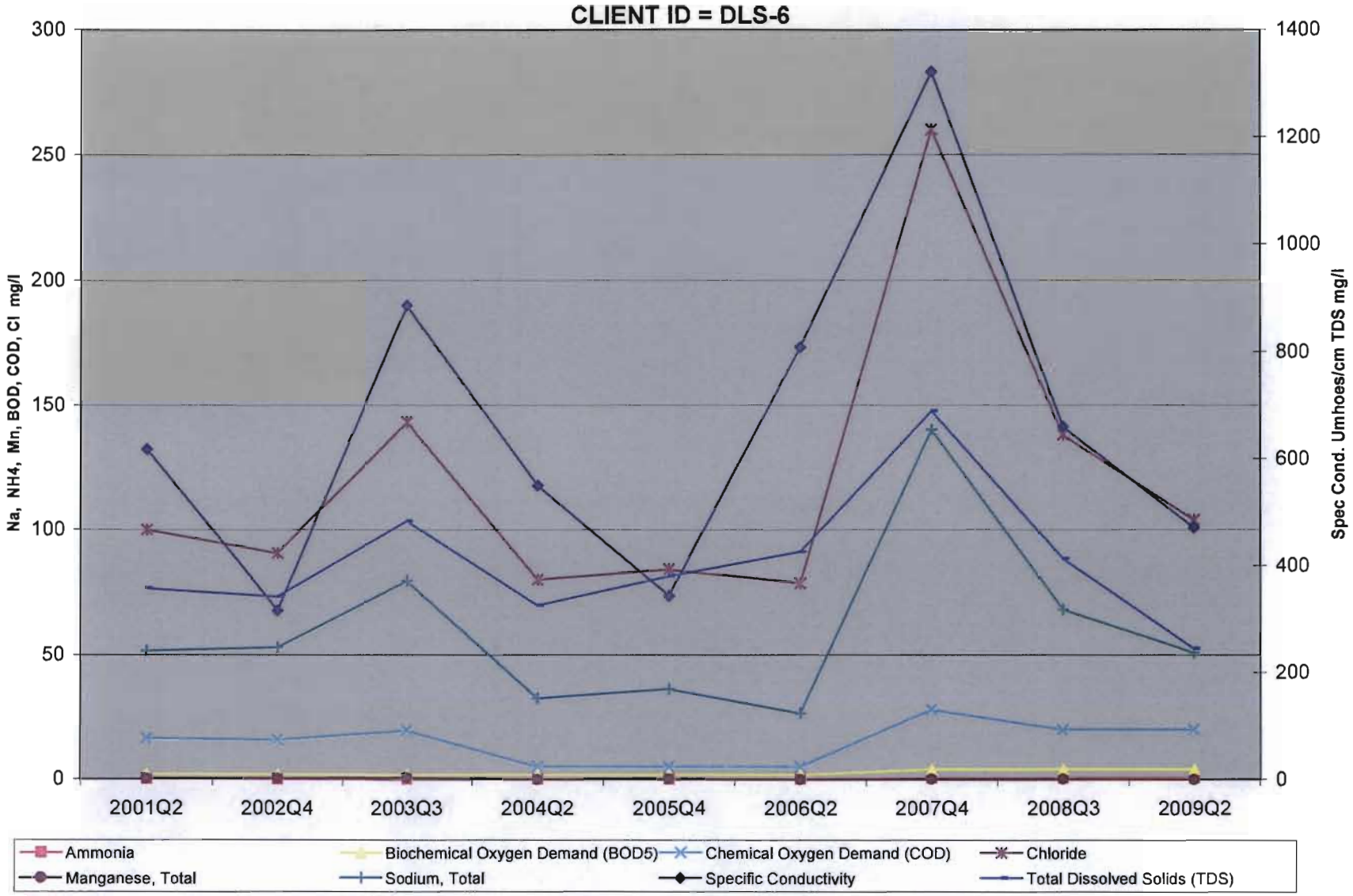
100
50
0
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2002Q4
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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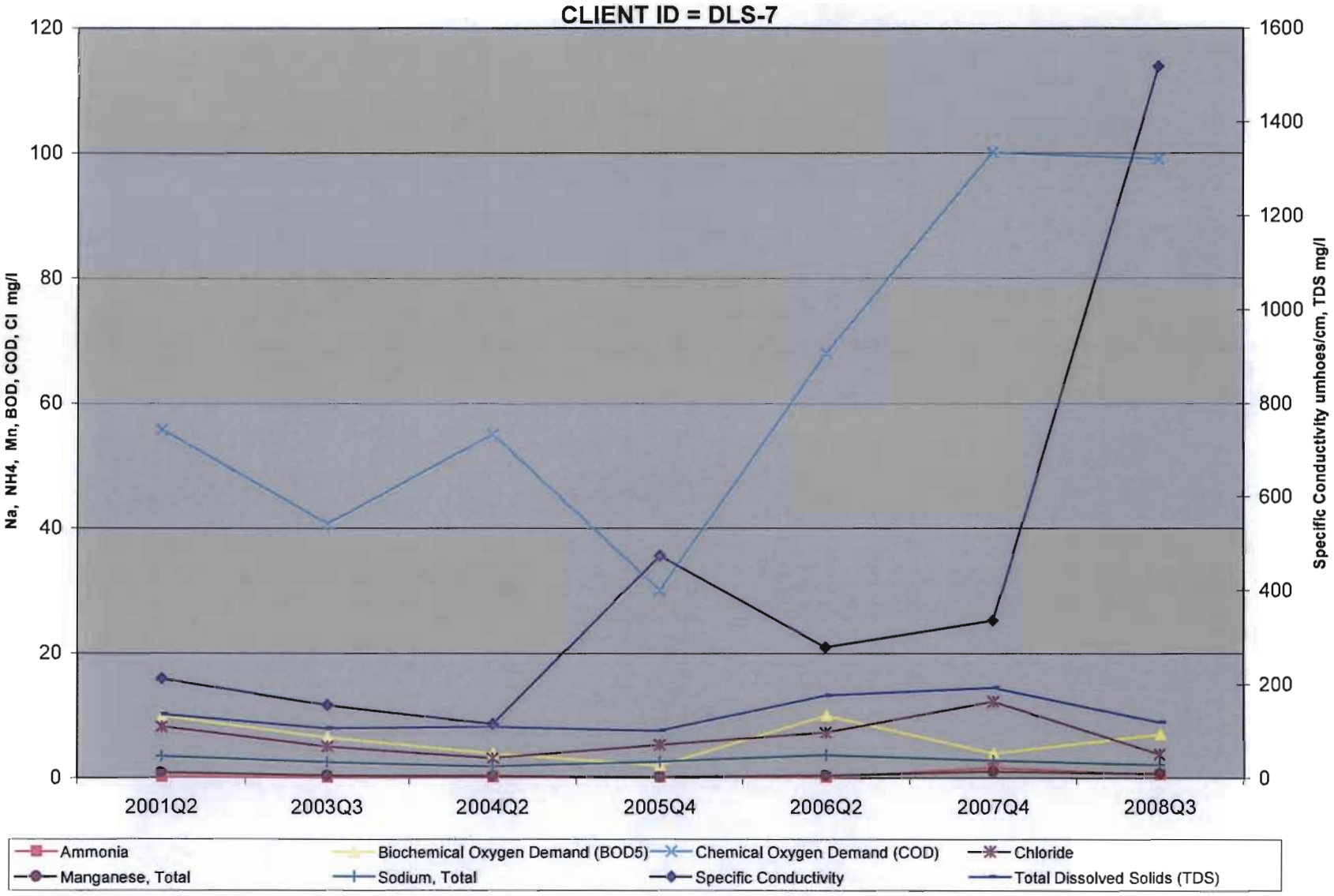
1400
1200
1000
800
600
400
200
0
2001Q2
2002Q4
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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Specific Conductivity umhoes/cm, TDS mg/l
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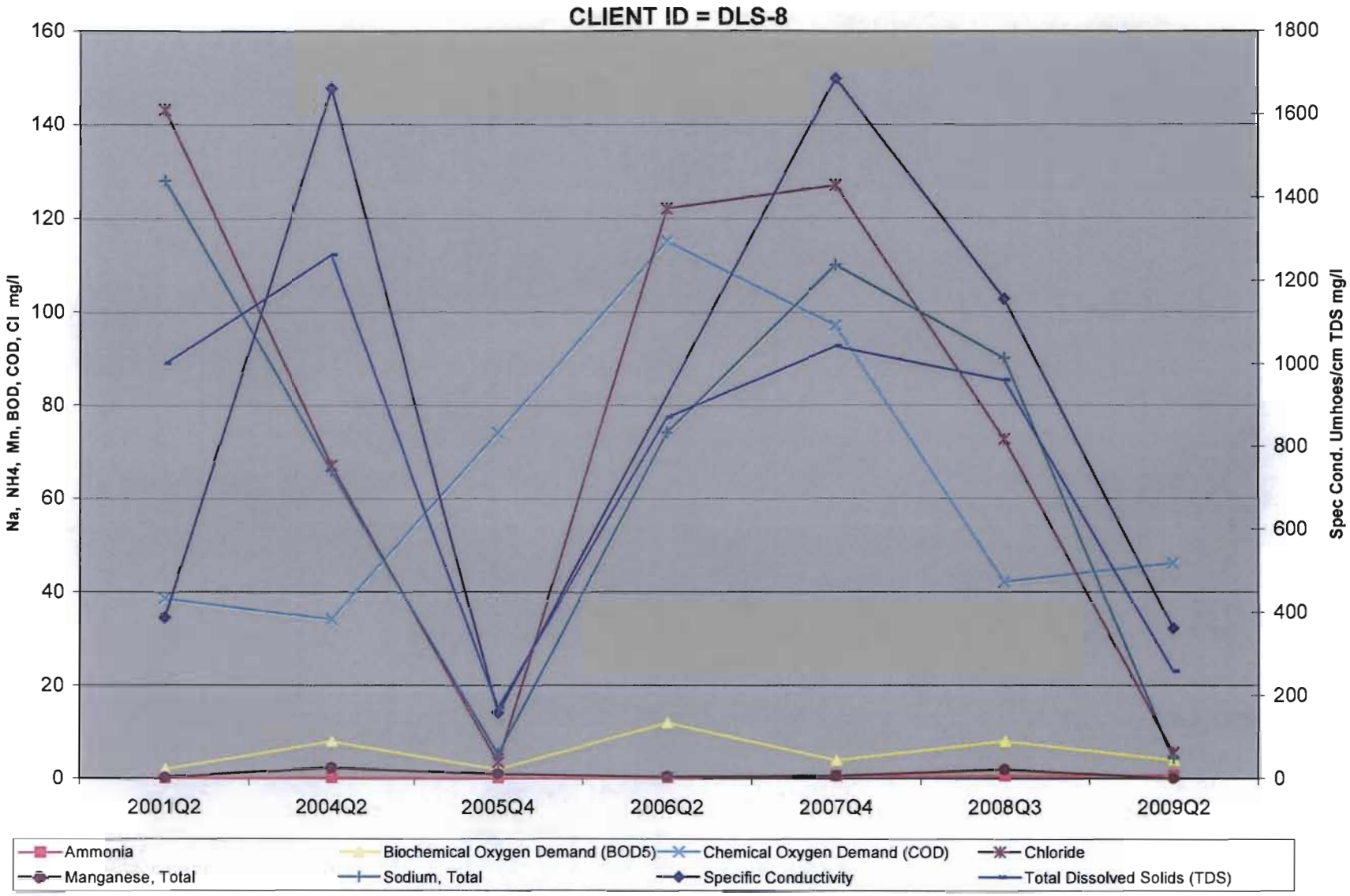
80
60
40
20
0
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2003Q3
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)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Spec Cond. Umhoes/cm TDS mg/l
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120
100
80
60
40
20
0
1800
1600
1400
1200
1000
800
600
400
200
0
2001Q2
2004Q2
2005Q4
2006Q2
2007Q4
2008Q3
2009Q2
Ammonia
Biochemical Oxygen Demand (BOD5)
Chemical Oxygen Demand (COD)
Chloride
Manganese, Total
Sodium, Total
Specific Conductivity
Total Dissolved Solids (TDS)

DUNKIRK LANDFILL
Second Quarter of 2009

ATTACHMENT 3: LABORATORY RECORDS

Dunkirk Landfill
2nd Quarter 2009 Sampling Event

Laboratory Reports
Table of Contents

INDEX

INDEX

Monitoring Site	Location	Laboratory ID	Sample Delivery Group	Comments
WELLS	DLG1A	001	U0904280	Site List
	DLG2	002	U0904280	Site List
	DLG3	003	U0904280	Site List
	DLG4A	004	U0904280	Site List
	DLG4B	005	U0904280	Site List
	DLG9	006	U0904280	Site List
SURFACE WATER	DLS5	001	U0904279	Site List
	DLS6	002	U0904279	Site List
	DLS7	003	U0904279	Site List
	DLS8	004	U0904279	Site List

Laboratory Report
SDG U0904279

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) 247-4313

CASE NARRATIVE

SDG - NA

LOCATION	LAB ID	TYPE OF ANALYSIS
DLS5	U0904279-001	Full Dunkirk List (modified Routine), plus Pb
DLS6	U0904279-002	Full Dunkirk List (modified Routine), plus Pb
DLS7	U0904279-003	Full Dunkirk List (modified Routine), plus Pb
DLS8	U0904279-004	Full Dunkirk List (modified Routine), plus Pb

Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
4/6/09	Instrument Type (pH/Flow): PH METER Location/Description: Chautauqua Cnty S. Stockton LF		As Found	As Left	Who Performed Calibration:
		pH 4	4.02	4.00	COMPANY UPSTATE LABS
		pH 7	7.01	7.00	
		pH 10	10.04	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech
4/7/09	Instrument Type (pH/Flow): PH METER Location/Description: Chautauqua Cnty S. Stockton LF Harmony LF Dunkirk LF		As Found	As Left	Who Performed Calibration:
		pH 4	4.00	4.00	COMPANY UPSTATE LABS
		pH 7	7.02	7.00	
		pH 10	10.01	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech
4/8/09	Instrument Type (pH/Flow): PH METER Location/Description: Chautauqua Cnty Harmony LF Dunkirk LF ~~Dinsbier~~ Dinsbier LF		As Found	As Left	Who Performed Calibration:
		pH 4	3.98	4.00	COMPANY UPSTATE LABS
		pH 7	7.01	7.00	
		pH 10	10.00	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech
4/9/09	Instrument Type (pH/Flow): PH METER Location/Description: Dinsbier LF		As Found	As Left	Who Performed Calibration:
		pH 4	4.00	4.00	COMPANY UPSTATE LABS
		pH 7	7.00	7.00	
		pH 10	10.00	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech

Upstate Laboratories, Inc.

FILE:TS-40-01 REVISED: 01/01

Tap Water / Surface Water / Wastewater Field Log

Client: APLLIED TESTING **Sampler** (print): Justin Gibson

Project: DUNKIRK LANDFILL **Signature:** Justin Gibson

Date: 4/8/09

Location	DLS-5		TIME SAMPLED 11:32 am	ULI ID. NO.
EH	-45		WEATHER CONDITION:	36° Sun
TEMPERATURE	7.2°	(C) OR F		
PH	8.05	STD.UNITS	APPEARANCE / OBSERVATIONS	Clear
SPEC. COND.	479	UMHOS/CM		
TURBIDITY	5.68	NTU		
CHLORINE RES.	n/a	MG/L Cl2		
SULFITE	n/a	MG/L		
DIS.OXYGEN	7.49	MG/L		

Location	DLS 6		TIME SAMPLED 12:40pm	ULI ID. NO.
EH	-71		WEATHER CONDITION:	37° sunny
TEMPERATURE	8.5	C OR F		
PH	8.49	STD.UNITS	APPEARANCE / OBSERVATIONS	Clear
SPEC. COND.	471	UMHOS/CM		
TURBIDITY	4.98	NTU		
CHLORINE RES.	n/a	MG/L Cl2	MSD	
SULFITE	n/a	MG/L		
DIS.OXYGEN	7.77	MG/L		

Location	DLS-7		TIME SAMPLED 1:03 pm	ULI ID. NO.
EH	-97		WEATHER CONDITION:	37° sunny
TEMPERATURE	6.8	(C) OR F		
PH	8.09	STD.UNITS	APPEARANCE / OBSERVATIONS	cloudy
SPEC. COND.	1706	UMHOS/CM		
TURBIDITY	4.12	NTU		
CHLORINE RES.	n/a	MG/L Cl2		
SULFITE	n/a	MG/L		
DIS.OXYGEN	6.37	MG/L		

Location	DLS-8		TIME SAMPLED 12:15pm	ULI ID. NO.
EH	-90		WEATHER CONDITION:	37° sunny
TEMPERATURE	6.9°	(C) OR F		
PH	8.86	STD.UNITS	APPEARANCE / OBSERVATIONS	Sl. cloudy
SPEC. COND.	362	UMHOS/CM		
TURBIDITY	20.0	NTU		
CHLORINE RES.	n/a	MG/L Cl2		
SULFITE	n/a	MG/L		
DIS.OXYGEN	5.88	MG/L		

Upstate Laboratories, Inc.
6034 Corporate Drive
East Syracuse, New York 13057-1017

Quality Control Report

Report Number: U0904279

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:

April 8, 2009

New York Lab Code 10170

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Upstate Laboratories, Inc
6034 Corporate Drive
East Syracuse, New York 13057

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Herb GC/MS Method #	Metals	Wet Chemistry and Other
DLS5	U0904279-001	-	-	-	-	Fe, Mn, Na, Pb	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLS6	U0904279-002	-	-	-	-	Fe, Mn, Na, Pb	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLS6 MS	U0904279-002MS	-	-	-	-	Fe, Mn, Na, Pb	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLS6 DUPE	U0904279-002DP	-	-	-	-	Fe, Mn, Na, Pb	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLS7	U0904279-003	-	-	-	-	Fe, Mn, Na, Pb	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLS8	U0904279-004	-	-	-	-	Fe, Mn, Na, Pb	BOD,Cl,TDS,NO2,COD,NH3,TOC

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 April 8, 2009, and hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is presented in Report # U0904279.

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:

Parameter	Method	Reference
Iron	200.7	(1)
Lead	200.7	(1)
Manganese	200.7	(1)
Sodium	200.7	(1)
Ammonia-Nitrogen	350.1	(1)
BOD	405.1	(1)
Chloride	325.2	(1)
TDS	160.1	(1)
Nitrite	354.1	(1)
COD	410.4	(1)
TOC	415.1	(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	: Criteria were satisfied.
Matrix Spike	: Criteria were satisfied.
Duplicate	: Criteria were satisfied.

Wet Chemistry

Holding Time	: All associated sample locations were analyzed for TDS over ASP holding time for analytical sequence R41680; however, the associated sample locations were analyzed within method holding time. All other criteria were satisfied.
Calibration	: Criteria were satisfied.
Method Blanks	: Criteria were satisfied.
Reference Samples	: Criteria were satisfied.
Matrix Spike	: Criteria were satisfied.
Duplicate	: 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

Anthony J. Scala, Director

Dunkirk LF Surface Water U0904279

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT: Applied Testing and Geosciences, LLC
Client Sample ID: DLS5
Lab Order: U0904279
Collection Date: 4/8/2009 11:32:00 AM
Project: Dunkirk Landfill Surface Water
Lab ID: U0904279-001
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	479	1.0		umhos/cm		4/8/2009 11:32:00 AM
Dissolved Oxygen	7.49	0.10		mg/L		4/8/2009 11:32:00 AM
Eh	-45	-300		mV		4/8/2009 11:32:00 AM
pH	8.05	6.5-8.5		SU		4/8/2009 11:32:00 AM
Temperature	7.2			degC		4/8/2009 11:32:00 AM
Turbidity	5.68	5.0		NTU		4/8/2009 11:32:00 AM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	0.77	0.030		mg/L	1	4/27/2009 1:19:12 PM
Lead*	ND	0.003		mg/L	1	4/27/2009 1:19:12 PM
Manganese	0.085	0.020		mg/L	1	4/27/2009 1:19:12 PM
Sodium	54	0.50		mg/L	1	4/27/2009 1:19:12 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	305	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	111	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	0.74	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	4/16/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	4.5	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLS6
Lab Order:	U0904279	**Collection Date:**	4/8/2009 12:40:00 PM
Project:	Dunkirk Landfill Surface Water		
Lab ID:	U0904279-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	471	1.0		umhos/cm		4/8/2009 12:40:00 PM
Dissolved Oxygen	7.79	0.10		mg/L		4/8/2009 12:40:00 PM
Eh	-71	-300		mV		4/8/2009 12:40:00 PM
pH	8.49	6.5-8.5		SU		4/8/2009 12:40:00 PM
Temperature	8.5			degC		4/8/2009 12:40:00 PM
Turbidity	4.98	5.0		NTU		4/8/2009 12:40:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	0.46	0.030		mg/L	1	4/27/2009 1:23:53 PM
Lead*	ND	0.003		mg/L	1	4/27/2009 1:23:53 PM
Manganese	0.085	0.020		mg/L	1	4/27/2009 1:23:53 PM
Sodium	51	0.50		mg/L	1	4/27/2009 1:23:53 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	245	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	104	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	ND	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	4/16/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	3.9	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLS7
Lab Order:	U0904279	**Collection Date:**	4/8/2009 1:03:00 PM
Project:	Dunkirk Landfill Surface Water		
Lab ID:	U0904279-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	1706	1.0		umhos/cm		4/8/2009 1:03:00 PM
Dissolved Oxygen	6.37	0.10		mg/L		4/8/2009 1:03:00 PM
Eh	-97	-300		mV		4/8/2009 1:03:00 PM
pH	8.09	6.5-8.5		SU		4/8/2009 1:03:00 PM
Temperature	6.8			degC		4/8/2009 1:03:00 PM
Turbidity	41.2	5.0		NTU		4/8/2009 1:03:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	3.5	0.030		mg/L	1	4/27/2009 1:43:08 PM
Lead*	0.027	0.003		mg/L	1	4/27/2009 1:43:08 PM
Manganese	0.12	0.020		mg/L	1	4/27/2009 1:43:08 PM
Sodium	0.98	0.50		mg/L	1	4/27/2009 1:43:08 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	108	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	2.78	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	ND	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	43	20		mg/L	1	4/16/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	10.2	6.0		mg/L	2	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

- * 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
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLS8
Lab Order:	U0904279	**Collection Date:**	4/8/2009 12:15:00 PM
Project:	Dunkirk Landfill Surface Water		
Lab ID:	U0904279-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	362	1.0		umhos/cm		4/8/2009 12:15:00 PM
Dissolved Oxygen	5.88	0.10		mg/L		4/8/2009 12:15:00 PM
Eh	-90	-300		mV		4/8/2009 12:15:00 PM
pH	8.86	6.5-8.5		SU		4/8/2009 12:15:00 PM
Temperature	6.9			degC		4/8/2009 12:15:00 PM
Turbidity	20.0	5.0		NTU		4/8/2009 12:15:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	1.1	0.030		mg/L	1	4/27/2009 1:47:51 PM
Lead*	ND	0.003		mg/L	1	4/27/2009 1:47:51 PM
Manganese	ND	0.020		mg/L	1	4/27/2009 1:47:51 PM
Sodium	4.3	0.50		mg/L	1	4/27/2009 1:47:51 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	258	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	5.49	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	ND	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	46	20		mg/L	1	4/16/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	16.8	6.0		mg/L	2	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.1

Sample ID: MB-R41680	SampType: MBLK	TestCode: 160.1	Units: mg/L	Prep Date:	RunNo: 41680
Client ID: ZZZZZ	Batch ID: R41680	TestNo: E160.1		Analysis Date: 4/15/2009	SeqNo: 798669

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Residue, Dissolved (TDS)	ND	25.0									

Sample ID: LCS-R41680	SampType: LCS	TestCode: 160.1	Units: mg/L	Prep Date:	RunNo: 41680
Client ID: ZZZZZ	Batch ID: R41680	TestNo: E160.1		Analysis Date: 4/15/2009	SeqNo: 798670

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Residue, Dissolved (TDS)	600.0	25.0	580	0	103	87	113				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7WT

Sample ID: MB-17366	SampType: MBLK	TestCode: 200.7WT	Units: mg/L	Prep Date: 4/22/2009	RunNo: 41888
Client ID: ZZZZZ	Batch ID: 17366	TestNo: E200.7	(E200.7)	Analysis Date: 4/27/2009	SeqNo: 805083

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-17366	SampType: LCS	TestCode: 200.7WT	Units: mg/L	Prep Date: 4/22/2009	RunNo: 41888
Client ID: ZZZZZ	Batch ID: 17366	TestNo: E200.7	(E200.7)	Analysis Date: 4/27/2009	SeqNo: 805084

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	21.63	0.030	22	0	98.3	80	120				
Manganese	1.962	0.020	2	0	98.1	80	120				
Sodium	47.99	0.50	52	0.4956	91.3	80	120				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB1	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801933

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB2	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801934

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB3	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801935

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB4	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB5	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801937

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB6	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801938

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB7	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801939

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB8	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801940

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB9	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801941

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB10	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801942

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB11	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB12	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB13	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB14	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801946

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB15	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801947

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB16	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801948

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB17	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801949

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB18	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801950

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB19	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801951

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB20	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801952

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB21	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801953

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB22	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801954

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB23	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801955

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB24	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801956

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB25	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801957

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV1	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801908

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.20	1.00	20	0	91.0	83.2	119				

Sample ID: CCV2	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801909

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	259.0	1.00	250	0	104	83.2	119				

Sample ID: CCV3	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	301.0	1.00	300	0	100	83.2	119				

Sample ID: CCV4	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.90	1.00	20	0	94.5	83.2	119				

Sample ID: CCV5	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV6	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801913

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	301.0	1.00	300	0	100	83.2	119				

Sample ID: CCV7	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801914

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.50	1.00	20	0	92.5	83.2	119				

Sample ID: CCV8	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801915

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	262.0	1.00	250	0	105	83.2	119				

Sample ID: CCV9	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801916

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV10	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801917

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.00	1.00	20	0	95.0	83.2	119				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV11	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801918

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Sample ID: CCV12	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801919

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV13	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801920

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.00	1.00	20	0	95.0	83.2	119				

Sample ID: CCV14	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801921

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Sample ID: CCV15	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801922

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV16	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801923

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.90	1.00	20	0	94.5	83.2	119				

Sample ID: CCV17	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801924

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	266.0	1.00	250	0	106	83.2	119				

Sample ID: CCV18	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801925

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV19	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801926

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.00	1.00	20	0	95.0	83.2	119				

Sample ID: CCV20	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV21	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV22	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801929

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.40	1.00	20	0	97.0	83.2	119				

Sample ID: CCV23	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801930

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	261.0	1.00	250	0	104	83.2	119				

Sample ID: CCV24	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV25	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801932

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.30	1.00	20	0	96.5	83.2	119				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: ICB	SampType: ICB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801907

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: ICV	SampType: ICV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801906

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	41.00	1.00	38.6	0	106	91	116				

Qualifiers:

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	R	RPD outside acceptcd recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 350.1_W

Sample ID: CCB1	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798532

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB2	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798546

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB3	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798560

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB4	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB5	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 350.1_W

Sample ID: CCB6	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798598

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCV1	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798531

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	15.40	0.500	15	0	103	90	110				

Sample ID: CCV2	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798545

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	1.000	0.500	1	0	100	90	110				

Sample ID: CCV3	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798559

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	31.30	0.500	30	0	104	90	110				

Sample ID: CCV4	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798571

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	16.00	0.500	15	0	107	90	110				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 350.1_W

Sample ID: CCV5	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798585

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	1.020	0.500	1	0	102	90	110				

Sample ID: CCV6	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798597

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	32.00	0.500	30	0	107	90	110				

Sample ID: ICB	SampType: ICB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798359

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: ICV	SampType: ICV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798358

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	11.80	0.500	10.6	0	111	74	125				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCB1	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801623

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB2	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801624

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB3	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801625

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB4	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801626

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB5	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801627

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCB6	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801628

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB7	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801629

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB8	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801630

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCV1	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801615

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.09470	0.050	0.1	0	94.7	90	110				

Sample ID: CCV2	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801616

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.040	0.050	1	0	104	90	110				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCV3	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801617

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	2.010	0.050	2	0	101	90	110				

Sample ID: CCV4	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801618

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.040	0.050	1	0	104	90	110				

Sample ID: CCV5	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801619

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.09330	0.050	0.1	0	93.3	90	110				

Sample ID: CCV6	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801620

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.950	0.050	2	0	97.5	90	110				

Sample ID: CCV7	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801621

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.09110	0.050	0.1	0	91.1	90	110				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCV8	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801622

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.020	0.050	1	0	102	90	110				

Sample ID: ICB	SampType: ICB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 802911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: ICV	SampType: ICV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801614

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.6670	0.050	0.606	0	110	85	115				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 405.1

Sample ID: MB-R41610	SampType: MBLK	TestCode: 405.1	Units: mg/L	Prep Date:	RunNo: 41610
Client ID: ZZZZZ	Batch ID: R41610	TestNo: E405.1		Analysis Date: 4/10/2009	SeqNo: 796533

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	4.00									

Sample ID: LCS-R41610	SampType: LCS	TestCode: 405.1	Units: mg/L	Prep Date:	RunNo: 41610
Client ID: ZZZZZ	Batch ID: R41610	TestNo: E405.1		Analysis Date: 4/10/2009	SeqNo: 796534

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	203.0	4.00	200	0	102	59.4	122				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: MB-R41650	SampType: MBLK	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797548

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: MB2	SampType: MBLK	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797580

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: LCS-R41650	SampType: LCS	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797549

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	31.79	20.0	35.5	0	89.5	69	106				

Sample ID: LCS2	SampType: LCS	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797581

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	29.14	20.0	35.5	0	82.1	69	106				

Sample ID: CCB1	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797563

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: CCB2	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797577

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: CCB3	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797597

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: CCB4	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797612

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: CCV1	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797562

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	49.41	20.0	50	0	98.8	74.5	126				

Sample ID: CCV2	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	81.64	20.0	75	0	109	74.5	126				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: CCV3	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797596

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	53.59	20.0	50	0	107	74.5	126				

Sample ID: CCV4	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797611

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	77.65	20.0	75	0	104	74.5	126				

Sample ID: ICB	SampType: ICB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797547

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: ICB2	SampType: ICB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797579

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: ICV	SampType: ICV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41650
Client ID: ZZZZZ	Batch ID: R41650	TestNo: E410.4		Analysis Date: 4/16/2009	SeqNo: 797546

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	103.5	20.0	100	0	103	79.6	122				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: **ICV2**	SampType: **ICV**	TestCode: **410.4**	Units: **mg/L**	Prep Date:	RunNo: **41650**
Client ID: **ZZZZZ**	Batch ID: **R41650**	TestNo: **E410.4**		Analysis Date: **4/16/2009**	SeqNo: **797578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	104.7	20.0	100	0	105	79.6	122				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1

Sample ID: CCB1	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798462

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB2	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798478

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB3	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798496

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB4	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798508

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB5	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798522

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1

Sample ID: CCV1	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798461

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	22.11	3.00	20	0	111	90	115				

Sample ID: CCV2	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798477

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	43.21	3.00	40	0	108	90	115				

Sample ID: CCV3	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798495

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	22.17	3.00	20	0	111	90	115				

Sample ID: CCV4	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798507

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	43.08	3.00	40	0	108	90	115				

Sample ID: CCV5	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	22.40	3.00	20	0	112	90	115				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904279
Project: Dunkirk Landfill Surface Water

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1

Sample ID: ICB	SampType: ICB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798448

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: ICB2	SampType: ICB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798480

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: ICV	SampType: ICV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798447

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	12.87	3.00	12.2	0	105	88	122				

Sample ID: ICV2	SampType: ICV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798479

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	13.25	3.00	12.2	0	109	88	122				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

04/06/2009 14:10 3154371209 UPSTATELABS PAGE 10/13

Client:	Project # Project Name	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
APPLIED TESTING	DUNKIRK LANDFILL SURFACE WATER												
Client Contact: JACK HEELY / Phone # 610-313-3227	Location (city\state) Address: BRIDGEPORT, PA												

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only 1109042791	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
DLS5	4/8/09	11:32 am	WATER	GRAB	1	4	X	X	X	X	X						(Level II) cs 4/9/09
DLS6	4/8/09	12:40 pm	WATER	GRAB	2	4	X	X	X	X	X						MSD
DLS7	4/8/09	1:03 pm	WATER	GRAB	3	4	X	X	X	X	X						
DLS8	4/8/09	12:15 pm	WATER	GRAB	4	4	X	X	X	X	X						
MS/MSD																	

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	BOD5,CL ~~,NO3,~~TDS,NO2	PLASTIC	2000 ML	NONE
2	COD,NH3	PLASTIC	500 ML	H2SO4
3	T-FE,MN,NA,PB*	PLASTIC	500 ML	HNO3
4	TOC	PLASTIC	120 ML	1:1 HCL
5	FIELD PH, TEMP, COND, TURB, DO,EH	N/A		
6				
7				
8				
9				
10				

Sampled by (Print): Justin Gibson
Company: ~~ULI~~ ULI

	Date	Time	
Relinquished by:(sign) Justin Gibson	4/8/09	4:00pm	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date 4/9/09	Time 1715	Rec'd for lab by:

Name of Courier

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

Laboratory Report
SDG U0904280

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) 247-4313

CASE NARRATIVE

SDG – NA

LOCATION	LAB ID	TYPE OF ANAYSIS
DLG1A	U0904280-001	Full Dunkirk List (modified Routine)
DLG2	U0904280-002	Full Dunkirk List (modified Routine)
DLG3	U0904280-003	Full Dunkirk List (modified Routine)
DLG4A	U0904280-004	Full Dunkirk List (modified Routine)
DLG4B	U0904280-005	Full Dunkirk List (modified Routine)
DLG9	U0904280-006	Full Dunkirk List (modified Routine)

Equipment Calibration Summary

Date of Calibration	Instrument Description	Results of Calibration			Signature and Title of Representative
4/6/09	Instrument Type (pH/Flow): PH METER		As Found	As Left	Who Performed Calibration:
		pH 4	4.02	4.00	COMPANY
	Location/Description: Chautauqua Cnty S. Stockton LF	pH 7	7.01	7.00	UPSTATE LABS
		pH 10	10.04	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech
4/7/09	Instrument Type (pH/Flow): PH METER		As Found	As Left	Who Performed Calibration:
		pH 4	4.00	4.00	COMPANY
	Location/Description: Chautauqua Cnty S. Stockton LF Harmony LF Dunkirk LF	pH 7	7.02	7.00	UPSTATE LABS
		pH 10	10.01	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech
4/8/09	Instrument Type (pH/Flow): PH METER		As Found	As Left	Who Performed Calibration:
		pH 4	3.98	4.00	COMPANY
	Location/Description: Chautauqua Cnty Harmony LF Dunkirk LF ~~Dinsbier~~ Dinsbier LF	pH 7	7.01	7.00	UPSTATE LABS
		pH 10	10.00	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech
4/9/09	Instrument Type (pH/Flow): PH METER		As Found	As Left	Who Performed Calibration:
		pH 4	4.00	4.00	COMPANY
	Location/Description: Dinsbier LF	pH 7	7.00	7.00	UPSTATE LABS
		pH 10	10.00	10.00	Technician: (print) Justin Gibson
		Comments:			Title of Technician: Field Tech

Upstate Laboratories, Inc. Ground water Field Log

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

Client: APPLIED TESTING

Project: DUNKIRK LANDFILL

Well ID.: DLG-1A

ULI ID No.: (enter by lab)

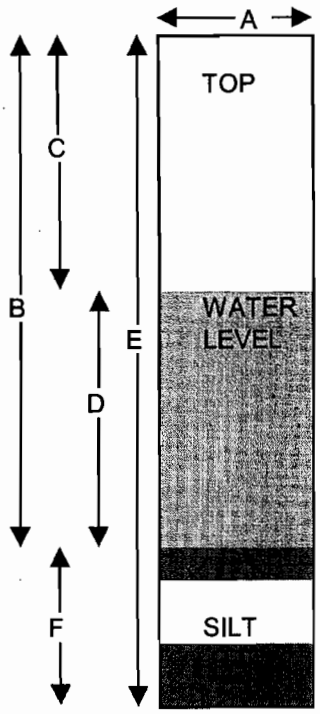
Condition of Well: GOOD

Locked: YES

Method of Evacuation: PERISTOLIC PUMP

Lock ID: Gate 459

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	4	inches
B.	Well Depth Measured	12.25	feet
C.	Depth to Water	2.46	feet
D.	Length of Water Column (calculated)	9.79	feet
	Conversion Factor	0.65	------
	Well Volume (calculated)	6.3635	gallons
	No. of Volumes to be Evacuated	3	------
	Total Volume to be Evacuated	19.0905	gallons
	Actual Volume Evacuated	19.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	4/7/09	4/8/09
Time	2:52 pm	12:20 pm
EH	-103	-89
Temperature	7.1°c	6.5°c
pH	9.04	8.84
Specific Cond.	800	655
Turbidity	1.61	4.65
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 2.46 feet

Recharge Depth to Water 2.30 feet

2nd water column height 106.95 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 30° snow 37° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: APPLIED TESTING

Project: DUNKIRK LANDFILL

ULI ID No.: (enter by lab)

Well ID.: DLG-2

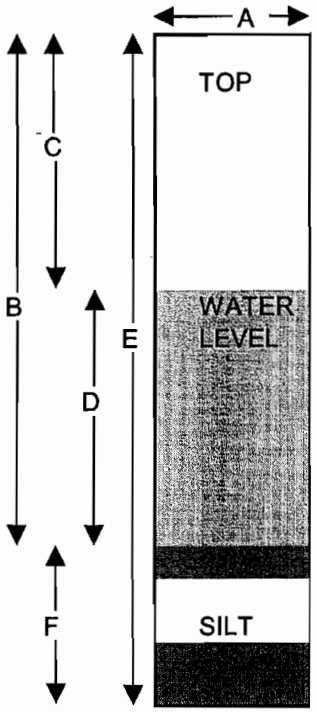
Condition of Well: GOOD

Locked: YES

Method of Evacuation: DEDICATED BAILER

Lock ID:

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	4	inches
B.	Well Depth Measured	20.64	feet
C.	Depth to Water	1.66	feet
D.	Length of Water Column (calculated)	18.98	feet
	Conversion Factor	0.65	------
	Well Volume (calculated)	12.337	gallons
	No. of Volumes to be Evacuated	3	------
	Total Volume to be Evacuated	37.011	gallons
	Actual Volume Evacuated	37.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	4/7/09	4/8/09
Time	3:29 pm	12:52 pm
EH	-73	-68
Temperature	8.1°c	7.6°c
pH	8.53	8.48
Specific Cond.	680	634
Turbidity	2.78	19.3
Dissolved Oxygen	N/A	N/A
Appearance	Clear	Sl. Cloudy

% Recharge:

Initial Depth to Water 1.66 feet

Recharge Depth to Water 1.78 feet

2nd water column height 93.25 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 32° snow 37° ~~snow~~ sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: APPLIED TESTING

Project: DUNKIRK LANDFILL

Well ID.: DLG-3

ULID No. (enter by lab)

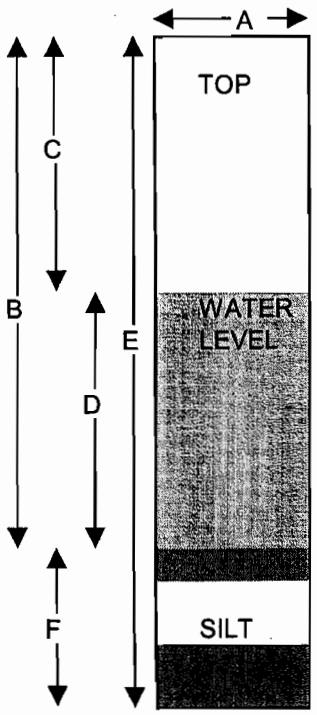
Condition of Well: GOOD

Locked: YES

Method of Evacuation: PERISTOLIC PUMP

Lock ID: ABUS

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	4	inches
B.	Well Depth Measured	13.98	feet
C.	Depth to Water	2.53	feet
D.	Length of Water Column (calculated)	11.45	feet
	Conversion Factor	0.65	------
	Well Volume (calculated)	7.44125	gallons
	No. of Volumes to be Evacuated	3	------
	Total Volume to be Evacuated	22.3275	gallons
	Actual Volume Evacuated	22.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	4/7/09	4/8/09
Time	3:19pm	12:55pm
EH	-69	-79
Temperature	7.5°c	7.4°c
pH	8.47	8.66
Specific Cond.	1584	596
Turbidity	3.92	6.81
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 2.53 feet

Recharge Depth to Water 5.62 feet

2nd water column height 45.01 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 32° snow 37° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

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)

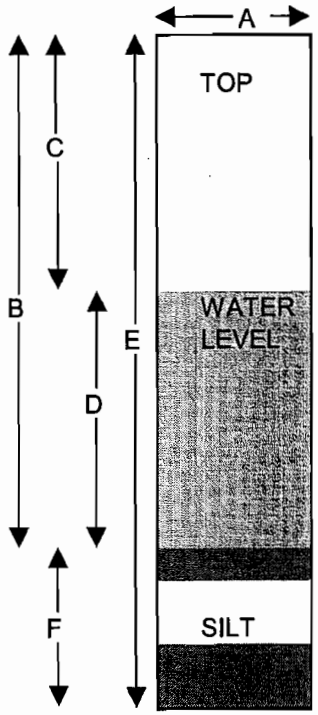
Condition of Well: GOOD

Locked: YES

Method of Evacuation: PERISTOLIC PUMP

Lock ID: Gate 459

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	4	inches
B.	Well Depth Measured	26.32	feet
C.	Depth to Water	14.13	feet
D.	Length of Water Column (calculated)	12.19	feet
	Conversion Factor	0.65	------
	Well Volume (calculated)	7.9235	gallons
	No. of Volumes to be Evacuated	3	------
	Total Volume to be Evacuated	23.7705	gallons
	Actual Volume Evacuated	24	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	4/7/09	4/8/09
Time	1:42 pm	11:41am
EH	-417	-40
Temperature	12.2°c	11.8°c
pH	8.01	7.94
Specific Cond.	850	863
Turbidity	.61	10.1
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 14.15 feet

Recharge Depth to Water 14.25 feet

2nd water column height 99.29 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 29° snowy 36° sunny

Observations:

MSD

Sampler:

Justin Gibson

Signature:

Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

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

Client: APPLIED TESTING

Project: DUNKIRK LANDFILL

Well ID.: DLG-4B

ULI ID No: (enter by lab)

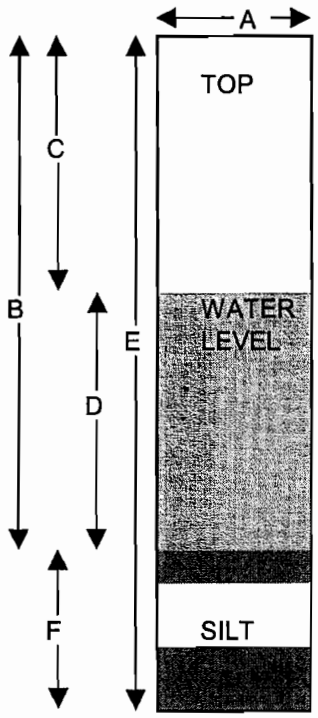
Condition of Well: GOOD

Locked: YES

Method of Evacuation: PERISTOLIC PUMP

Lock ID: Gate 4159

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	4	inches
B.	Well Depth Measured	20.48	feet
C.	Depth to Water	14.02	feet
D.	Length of Water Column (calculated)	6.46	feet
	Conversion Factor	0.65	------
	Well Volume (calculated)	4.199	gallons
	No. of Volumes to be Evacuated	3	------
	Total Volume to be Evacuated	12.597	gallons
	Actual Volume Evacuated	13	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	4/7/09	4/8/09
Time	1:45pm	11:52am
EH	-72	-52
Temperature	10.0°c	10.8°c
pH	8.50	8.14
Specific Cond.	691	681
Turbidity	1.42	2.77
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 14.02 feet

Recharge Depth to Water 13.99 feet

2nd water column height 100.21 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 29° snow 36° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

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)

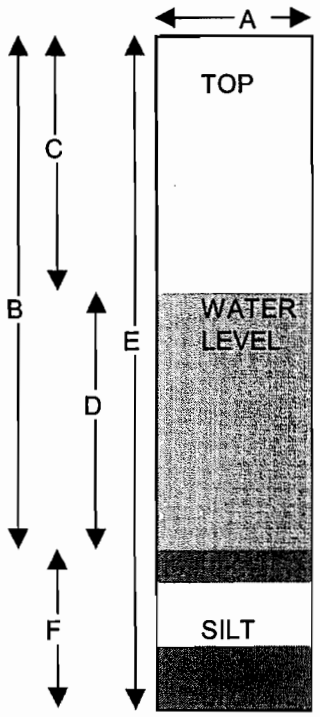
Condition of Well: GOOD

Locked: YES

Method of Evacuation: PERISTOLIC PUMP

Lock ID: Gate 459

Method of Sampling: DEDICATED BAILER



A.	Diameter of Well	4	inches
B.	Well Depth Measured	16.35	feet
C.	Depth to Water	2.11	feet
D.	Length of Water Column (calculated)	14.24	feet
	Conversion Factor	0.65	------
	Well Volume (calculated)	9.256	gallons
	No. of Volumes to be Evacuated	3	------
	Total Volume to be Evacuated	27.768	gallons
	Actual Volume Evacuated	28	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	4/7/09	4/8/09
Time	2:09 pm	12:02 pm
EH	-68	-54
Temperature	7.9°c	8.9°c
pH	8.45	8.18
Specific Cond.	1474	1327
Turbidity	9.28	28.9
Dissolved Oxygen	N/A	N/A
Appearance	clear	sl. cloudy

% Recharge:

Initial Depth to Water 2.11 feet

Recharge Depth to Water 2.13 feet

2nd water column height 99.06 %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 30° snow 37° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc.

6034 Corporate Drive
East Syracuse, New York 13057-1017

Quality Control Report

Report Number: U0904280

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:

April 8, 2009

New York Lab Code 10170

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Upstate Laboratories, Inc
6034 Corporate Drive
East Syracuse, New York 13057

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Herb GC/MS Method #	Metals	Wet Chemistry and Other
DLG1A	U0904280-001	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG2	U0904280-002	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG3	U0904280-003	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG4A	U0904280-004	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG4A MS	U0904280-004MS	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG4A DUPE	U0904280-004DP	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG4B	U0904280-005	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC
DLG9	U0904280-006	-	-	-	-	Fe, Mn, Na	BOD,Cl,TDS,NO2,COD,NH3,TOC

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

Narrative

1.0 Summary

This report presents the quality control results for six 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 April 8, 2009, and hand delivered to Upstate Laboratories, Inc., Syracuse, New York. The Chain of Custody documentation is presented in Report # U0904280.

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:

Parameter	Method	Reference
Iron	200.7	(1)
Manganese	200.7	(1)
Sodium	200.7	(1)
Ammonia-Nitrogen	350.1	(1)
BOD	405.1	(1)
Chloride	325.2	(1)
TDS	160.1	(1)
Nitrite	354.1	(1)
COD	410.4	(1)
TOC	415.1	(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 recoveries for all analytes were below QC acceptance limits for LCS-17390. The LCS was inadvertently missed during analytical sequence R42037, LCS-17390 was reanalyzed in analytical sequence R42057. All other criteria were satisfied.
Matrix Spike	: Criteria were satisfied.
Duplicate	: Criteria were satisfied.

Wet Chemistry

Holding Time	: All associated sample locations were analyzed for TDS over ASP holding time in analytical sequence R41680; however, the associated sample locations were analyzed within method holding time. All other criteria were satisfied.
Calibration	: Criteria were satisfied.
Method Blanks	: Criteria were satisfied.
Reference Samples	: Criteria were satisfied.
Matrix Spike	: Criteria were satisfied.
Duplicate	: 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

Anthony J. Scala, Director

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLG1A
Lab Order:	U0904280	**Collection Date:**	4/8/2009 12:20:00 PM
Project:	Dunkirk Landfill		
Lab ID:	U0904280-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	655	1.0		umhos/cm		4/8/2009 12:20:00 PM
Eh	-89	-300		mV		4/8/2009 12:20:00 PM
pH	8.84	6.5-8.5		SU		4/8/2009 12:20:00 PM
SWL	2.46			ft		4/8/2009 12:20:00 PM
Temperature	6.5			degC		4/8/2009 12:20:00 PM
Turbidity	4.65	5.0		NTU		4/8/2009 12:20:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	ND	0.030		mg/L	1	5/1/2009 6:36:21 PM
Manganese	ND	0.020		mg/L	1	5/1/2009 6:36:21 PM
Sodium	ND	0.50		mg/L	1	5/1/2009 6:36:21 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	478	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	16.4	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	ND	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	ND	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	4/19/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	4.1	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLG2
Lab Order:	U0904280	**Collection Date:**	4/8/2009 12:52:00 PM
Project:	Dunkirk Landfill		
Lab ID:	U0904280-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	634	1.0		umhos/cm		4/8/2009 12:52:00 PM
Eh	-68	-300		mV		4/8/2009 12:52:00 PM
pH	8.48	6.5-8.5		SU		4/8/2009 12:52:00 PM
SWL	1.66			ft		4/8/2009 12:52:00 PM
Temperature	7.6			degC		4/8/2009 12:52:00 PM
Turbidity	19.3	5.0		NTU		4/8/2009 12:52:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	ND	0.030		mg/L	1	5/1/2009 6:50:49 PM
Manganese	ND	0.020		mg/L	1	5/1/2009 6:50:49 PM
Sodium	ND	0.50		mg/L	1	5/1/2009 6:50:49 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	412	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	40.1	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	1.21	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	ND	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	4/19/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	ND	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLG3
Lab Order:	U0904280	**Collection Date:**	4/8/2009 12:55:00 PM
Project:	Dunkirk Landfill		
Lab ID:	U0904280-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	596	1.0		umhos/cm		4/8/2009 12:55:00 PM
Eh	-79	-300		mV		4/8/2009 12:55:00 PM
pH	8.66	6.5-8.5		SU		4/8/2009 12:55:00 PM
SWL	2.53			ft		4/8/2009 12:55:00 PM
Temperature	7.4			degC		4/8/2009 12:55:00 PM
Turbidity	6.81	5.0		NTU		4/8/2009 12:55:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	ND	0.030		mg/L	1	5/1/2009 6:55:33 PM
Manganese	ND	0.020		mg/L	1	5/1/2009 6:55:33 PM
Sodium	ND	0.50		mg/L	1	5/1/2009 6:55:33 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	752	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	16.5	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	0.776	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	0.12	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	4/19/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	3.5	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLG4A
Lab Order:	U0904280	**Collection Date:**	4/8/2009 11:41:00 AM
Project:	Dunkirk Landfill		
Lab ID:	U0904280-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	863	1.0		umhos/cm		4/8/2009 11:41:00 AM
Eh	-40	-300		mV		4/8/2009 11:41:00 AM
pH	7.94	6.5-8.5		SU		4/8/2009 11:41:00 AM
SWL	14.13			ft		4/8/2009 11:41:00 AM
Temperature	11.8			degC		4/8/2009 11:41:00 AM
Turbidity	10.1	5.0		NTU		4/8/2009 11:41:00 AM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	0.44	0.030		mg/L	1	5/1/2009 7:00:11 PM
Manganese	0.22	0.020		mg/L	1	5/1/2009 7:00:11 PM
Sodium	95	0.50		mg/L	1	5/1/2009 7:00:11 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	657	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	161	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	0.701	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	0.080	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	ND	20		mg/L	1	4/19/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	3.5	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLG4B
Lab Order:	U0904280	**Collection Date:**	4/8/2009 11:52:00 AM
Project:	Dunkirk Landfill		
Lab ID:	U0904280-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	681	1.0		umhos/cm		4/8/2009 11:52:00 AM
Eh	-52	-300		mV		4/8/2009 11:52:00 AM
pH	8.14	6.5-8.5		SU		4/8/2009 11:52:00 AM
SWL	14.02			ft		4/8/2009 11:52:00 AM
Temperature	10.8			degC		4/8/2009 11:52:00 AM
Turbidity	2.77	5.0		NTU		4/8/2009 11:52:00 AM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	0.14	0.030		mg/L	1	5/1/2009 7:14:25 PM
Manganese	ND	0.020		mg/L	1	5/1/2009 7:14:25 PM
Sodium	88	0.50		mg/L	1	5/1/2009 7:14:25 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	512	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	79.7	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	5.03	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	ND	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	6.00	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	48	20		mg/L	1	4/19/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	11.6	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *05-May-09*

CLIENT:	Applied Testing and Geosciences, LLC	**Client Sample ID:**	DLG9
Lab Order:	U0904280	**Collection Date:**	4/8/2009 12:02:00 PM
Project:	Dunkirk Landfill		
Lab ID:	U0904280-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	1327	1.0		umhos/cm		4/8/2009 12:02:00 PM
Eh	-54	-300		mV		4/8/2009 12:02:00 PM
pH	8.18	6.5-8.5		SU		4/8/2009 12:02:00 PM
SWL	2.11			ft		4/8/2009 12:02:00 PM
Temperature	8.9			degC		4/8/2009 12:02:00 PM
Turbidity	28.9	5.0		NTU		4/8/2009 12:02:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: **LJ**
Iron	1.4	0.030		mg/L	1	5/1/2009 7:19:05 PM
Manganese	0.096	0.020		mg/L	1	5/1/2009 7:19:05 PM
Sodium	140	0.50		mg/L	1	5/1/2009 7:19:05 PM
RESIDUE, DISSOLVED (TDS)				**E160.1**		Analyst: **BY**
Residue, Dissolved (TDS)	992	25.0		mg/L	1	4/15/2009
CHLORIDE WATERS BY LACHAT				**E325.2**		Analyst: **VAW**
Chloride	176	1.00		mg/L	1	4/22/2009
NITROGEN, AMMONIA (AS NH3 BY LACHAT)				**E350.1**		Analyst: **BY**
Nitrogen, Ammonia (As NH3)	1.84	0.500		mg/L	1	4/17/2009
NITROGEN AS NITRITE (NO2) IN WATER				**E354.1**		Analyst: **VAW**
Nitrogen, Nitrite (as N) Extractable	0.055	0.050		mg/L	1	4/10/2009 4:00:00 PM
BIOCHEMICAL OXYGEN DEMAND (5 DAY BOD)				**E405.1**		Analyst: **KAF**
Biochemical Oxygen Demand	ND	4.00		mg/L	1	4/10/2009 8:00:00 AM
CHEMICAL OXYGEN DEMAND (COD)				**E410.4**		Analyst: **KAM**
Chemical Oxygen Demand	36	20		mg/L	1	4/19/2009
TOTAL ORGANIC CARBON (TOC)				**E415.1**		Analyst: **VAW**
Organic Carbon, Total	11.1	3.0		mg/L	1	4/17/2009

Approved By: PMH **Date:** 5-5-09

Qualifiers:

*	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	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 160.1

Sample ID: MB-R41680	SampType: MBLK	TestCode: 160.1	Units: mg/L	Prep Date:	RunNo: 41680
Client ID: ZZZZZ	Batch ID: R41680	TestNo: E160.1		Analysis Date: 4/15/2009	SeqNo: 798669

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Residue, Dissolved (TDS)	ND	25.0									

Sample ID: LCS-R41680	SampType: LCS	TestCode: 160.1	Units: mg/L	Prep Date:	RunNo: 41680
Client ID: ZZZZZ	Batch ID: R41680	TestNo: E160.1		Analysis Date: 4/15/2009	SeqNo: 798670

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Residue, Dissolved (TDS)	600.0	25.0	580	0	103	87	113				

Qualifiers:

- 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
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7WT

Sample ID: MB-17390	SampType: MBLK	TestCode: 200.7WT	Units: mg/L	Prep Date: 4/24/2009	RunNo: 41869
Client ID: ZZZZZ	Batch ID: 17390	TestNo: E200.7	(E200.7)	Analysis Date: 4/24/2009	SeqNo: 803991

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: MB-17390	SampType: MBLK	TestCode: 200.7WT	Units: mg/L	Prep Date: 4/24/2009	RunNo: 42037
Client ID: ZZZZZ	Batch ID: 17390	TestNo: E200.7	(E200.7)	Analysis Date: 5/1/2009	SeqNo: 808139

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-17390	SampType: LCS	TestCode: 200.7WT	Units: mg/L	Prep Date: 4/24/2009	RunNo: 41869
Client ID: ZZZZZ	Batch ID: 17390	TestNo: E200.7	(E200.7)	Analysis Date: 4/24/2009	SeqNo: 803992

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	22.61	0.030	22	0	103	80	120				
Manganese	2.085	0.020	2	0	104	80	120				
Sodium	50.14	0.50	52	0.3384	95.8	80	120				

Sample ID: LCS-17390	SampType: LCS	TestCode: 200.7WT	Units: mg/L	Prep Date: 4/24/2009	RunNo: 42057
Client ID: ZZZZZ	Batch ID: 17390	TestNo: E200.7	(E200.7)	Analysis Date: 5/3/2009	SeqNo: 808681

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	21.67	0.030	22	0	98.5	80	120				
Manganese	1.870	0.020	2	0	93.5	80	120				
Sodium	50.29	0.50	52	0	96.7	80	120				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB1	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801933

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB2	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801934

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB3	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801935

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB4	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB5	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801937

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analytc dctected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovcry outsidc acceptcd rccovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB6	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801938

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB7	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801939

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB8	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801940

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB9	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801941

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB10	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801942

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB11	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB12	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB13	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB14	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801946

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB15	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801947

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB16	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801948

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB17	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801949

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB18	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801950

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB19	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801951

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB20	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801952

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCB21	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801953

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB22	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801954

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB23	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801955

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB24	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801956

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: CCB25	SampType: CCB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801957

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV1	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801908

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.20	1.00	20	0	91.0	83.2	119				

Sample ID: CCV2	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801909

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	259.0	1.00	250	0	104	83.2	119				

Sample ID: CCV3	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	301.0	1.00	300	0	100	83.2	119				

Sample ID: CCV4	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.90	1.00	20	0	94.5	83.2	119				

Sample ID: CCV5	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV6	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801913

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	301.0	1.00	300	0	100	83.2	119				

Sample ID: CCV7	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801914

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.50	1.00	20	0	92.5	83.2	119				

Sample ID: CCV8	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801915

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	262.0	1.00	250	0	105	83.2	119				

Sample ID: CCV9	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801916

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV10	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801917

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.00	1.00	20	0	95.0	83.2	119				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analytc detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outsidc accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV11	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:			RunNo: 41811			
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009			SeqNo: 801918			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Sample ID: CCV12	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:			RunNo: 41811			
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009			SeqNo: 801919			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV13	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:			RunNo: 41811			
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009			SeqNo: 801920			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.00	1.00	20	0	95.0	83.2	119				

Sample ID: CCV14	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:			RunNo: 41811			
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009			SeqNo: 801921			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Sample ID: CCV15	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:			RunNo: 41811			
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009			SeqNo: 801922			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV16	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801923

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	18.90	1.00	20	0	94.5	83.2	119				

Sample ID: CCV17	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801924

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	266.0	1.00	250	0	106	83.2	119				

Sample ID: CCV18	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801925

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV19	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801926

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.00	1.00	20	0	95.0	83.2	119				

Sample ID: CCV20	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801927

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	263.0	1.00	250	0	105	83.2	119				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: CCV21	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801928

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV22	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801929

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.40	1.00	20	0	97.0	83.2	119				

Sample ID: CCV23	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801930

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	261.0	1.00	250	0	104	83.2	119				

Sample ID: CCV24	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801931

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	303.0	1.00	300	0	101	83.2	119				

Sample ID: CCV25	SampType: CCV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801932

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	19.30	1.00	20	0	96.5	83.2	119				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 325.2_W

Sample ID: ICB	SampType: ICB	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801907

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	1.00									

Sample ID: ICV	SampType: ICV	TestCode: 325.2_W	Units: mg/L	Prep Date:	RunNo: 41811
Client ID: ZZZZZ	Batch ID: R41811	TestNo: E325.2		Analysis Date: 4/22/2009	SeqNo: 801906

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	41.00	1.00	38.6	0	106	91	116				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analytc dctcctcd below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside acccptcd recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 350.1_W

Sample ID: CCB1	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798532

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB2	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798546

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB3	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798560

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB4	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCB5	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 350.1_W

Sample ID: CCB6	SampType: CCB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798598

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: CCV1	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798531

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	15.40	0.500	15	0	103	90	110				

Sample ID: CCV2	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798545

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	1.000	0.500	1	0	100	90	110				

Sample ID: CCV3	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798559

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	31.30	0.500	30	0	104	90	110				

Sample ID: CCV4	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798571

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	16.00	0.500	15	0	107	90	110				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 350.1_W

Sample ID: CCV5	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798585

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	1.020	0.500	1	0	102	90	110				

Sample ID: CCV6	SampType: CCV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798597

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	32.00	0.500	30	0	107	90	110				

Sample ID: ICB	SampType: ICB	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798359

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	ND	0.500									

Sample ID: ICV	SampType: ICV	TestCode: 350.1_W	Units: mg/L	Prep Date:	RunNo: 41671
Client ID: ZZZZZ	Batch ID: R41671	TestNo: E350.1		Analysis Date: 4/17/2009	SeqNo: 798358

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As NH3)	11.80	0.500	10.6	0	111	74	125				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCB1	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801623

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB2	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801624

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB3	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801625

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB4	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801626

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB5	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801627

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCB6	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801628

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB7	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801629

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCB8	SampType: CCB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801630

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: CCV1	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801615

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.09470	0.050	0.1	0	94.7	90	110				

Sample ID: CCV2	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801616

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.040	0.050	1	0	104	90	110				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCV3	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:			RunNo: 41793			
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009			SeqNo: 801617			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	2.010	0.050	2	0	101	90	110				

Sample ID: CCV4	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:			RunNo: 41793			
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009			SeqNo: 801618			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.040	0.050	1	0	104	90	110				

Sample ID: CCV5	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:			RunNo: 41793			
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009			SeqNo: 801619			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.09330	0.050	0.1	0	93.3	90	110				

Sample ID: CCV6	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:			RunNo: 41793			
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009			SeqNo: 801620			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.950	0.050	2	0	97.5	90	110				

Sample ID: CCV7	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:			RunNo: 41793			
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009			SeqNo: 801621			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.09110	0.050	0.1	0	91.1	90	110				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 354.1W_NO2

Sample ID: CCV8	SampType: CCV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801622

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	1.020	0.050	1	0	102	90	110				

Sample ID: ICB	SampType: ICB	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 802911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	ND	0.050									

Sample ID: ICV	SampType: ICV	TestCode: 354.1W_NO2	Units: mg/L	Prep Date:	RunNo: 41793
Client ID: ZZZZZ	Batch ID: R41793	TestNo: E354.1		Analysis Date: 4/10/2009	SeqNo: 801614

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (as N) Extractable	0.6670	0.050	0.606	0	110	85	115				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 405.1

Sample ID: MB-R41610	SampType: MBLK	TestCode: 405.1	Units: mg/L	Prep Date:	RunNo: 41610
Client ID: ZZZZZ	Batch ID: R41610	TestNo: E405.1		Analysis Date: 4/10/2009	SeqNo: 796533

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	4.00									

Sample ID: LCS-R41610	SampType: LCS	TestCode: 405.1	Units: mg/L	Prep Date:	RunNo: 41610
Client ID: ZZZZZ	Batch ID: R41610	TestNo: E405.1		Analysis Date: 4/10/2009	SeqNo: 796534

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	203.0	4.00	200	0	102	59.4	122				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: MB-R41702	SampType: MBLK	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: MB2	SampType: MBLK	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799048

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: LCS-R41702	SampType: LCS	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	36.43	20.0	35.5	0	103	69	106				

Sample ID: LCS2	SampType: LCS	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799049

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	28.49	20.0	35.5	0	80.2	69	106				

Sample ID: CCB1	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799031

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: CCB2	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799045

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: CCB3	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799061

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: CCB4	SampType: CCB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799077

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: CCV1	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799030

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	48.85	20.0	50	0	97.7	74.5	126				

Sample ID: CCV2	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799044

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	80.79	20.0	75	0	108	74.5	126				

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: CCV3	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799060

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	52.55	20.0	50	0	105	74.5	126				

Sample ID: CCV4	SampType: CCV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799076

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	71.18	20.0	75	0	94.9	74.5	126				

Sample ID: ICB	SampType: ICB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799017

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: ICB2	SampType: ICB	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799047

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	20.0									

Sample ID: ICV	SampType: ICV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799016

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	102.8	20.0	100	0	103	79.6	122				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 410.4

Sample ID: ICV2	SampType: ICV	TestCode: 410.4	Units: mg/L	Prep Date:	RunNo: 41702
Client ID: ZZZZZ	Batch ID: R41702	TestNo: E410.4		Analysis Date: 4/19/2009	SeqNo: 799046

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	102.9	20.0	100	0	103	79.6	122				

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1

Sample ID: CCB1	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798462

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB2	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798478

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB3	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798496

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB4	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798508

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: CCB5	SampType: CCB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798522

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Qualifiers:

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	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1

Sample ID: CCV1	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798461

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	22.11	3.00	20	0	111	90	115				

Sample ID: CCV2	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798477

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	43.21	3.00	40	0	108	90	115				

Sample ID: CCV3	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798495

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	22.17	3.00	20	0	111	90	115				

Sample ID: CCV4	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798507

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	43.08	3.00	40	0	108	90	115				

Sample ID: CCV5	SampType: CCV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	22.40	3.00	20	0	112	90	115				

Qualifiers:
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
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Applied Testing and Geosciences, LLC
Work Order: U0904280
Project: Dunkirk Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: 415.1

Sample ID: ICB	SampType: ICB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798448

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: ICB2	SampType: ICB	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798480

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	3.00									

Sample ID: ICV	SampType: ICV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798447

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	12.87	3.00	12.2	0	105	88	122				

Sample ID: ICV2	SampType: ICV	TestCode: 415.1	Units: mg/L	Prep Date:	RunNo: 41678
Client ID: ZZZZZ	Batch ID: R41678	TestNo: E415.1		Analysis Date: 4/17/2009	SeqNo: 798479

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	13.25	3.00	12.2	0	109	88	122				

Qualifiers:

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

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only U0904280	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
DLG1A	4/8/09	12:20pm	WATER	GRAB	1	4	X	X	X	X	X						(Level II) 4/9/09
DLG2	4/8/09	12:52pm	WATER	GRAB	2	4	X	X	X	X	X						
DLG3	4/8/09	12:55pm	WATER	GRAB	3	4	X	X	X	X	X						
DLG4A	4/8/09	11:41am	WATER	GRAB	4	4	X	X	X	X	X						MSD
DLG4B	4/8/09	11:52am	WATER	GRAB	5	4	X	X	X	X	X						
DLG9	4/8/09	12:02pm	WATER	GRAB	6	4	X	X	X	X	X						

#	Parameter and Method	Sample bottle: Type	Size	Preservative
1	BOD5,CL-,~~NO3~~,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				

Sampled by (Print): Justin Gibson
Company: ULI
Name of Courier:

Relinquished by:(sign)	Date	Time	Received by: (sign)
Justin Gibson	4/8/09	4:00pm	
Justin Gibson	4/9/09	5:15pm	Rec'd for Lab by: K Crump

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)