NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REGION 3/SOLID WASTE PROGRAM
ANNUAL POST-CLOSURE MONITORING & MAINTENANCE REPORT FOR LANDFILLS

This report form provides a standard format for owners of closed municipal solid waste landfills to report to the Department regarding post-closure monitoring and maintenance activities which have occurred during the past year. Use of this form will ensure that information needed by the operator and Department staff is readily available. Reporting of non-essential information is avoided. By completing and submitting this form on an annual basis, all reporting requirements connected with the closed landfill are satisfied and there is no need to submit any additional reports or paperwork. This form should be submitted once per year on a schedule which coincides with completion of the annual or fourth quarter groundwater monitoring event.

SECTION A - FACILITY DATA

1. REPORTING PERIOD (mm/dd/yy to mm/dd/yy): _____*01/01/12 to 12/31/12*_____

2. OWNER OF LANDFILL: _____*Dutchess County Department*

3. ADDRESS OF LANDFILL: _____*Citation Road*_____

_____*Wappingers Falls, New York*_____

4. LOCATION OF LANDFILL: County: _*Dutchess*___ Municipality: _*Town of Wappinger*_____

5. CONTACT PERSON: Name: _*Mr. Jefferson Akins*__ Address: __*22 Market Street*_____
Phone: _*(845) 486-2930*_____ __ *Poughkeepsie, NY 12601*_____

6. SIZE OF LANDFILL (Acres): __*6.80*____

7. PERIOD OF OPERATION (Yr to Yr): ___*1976 to 1977*_____

8. DATE OF COMPLETION OF CLOSURE CONSTRUCTION (mm/yy): __*11/2010*___

9. TYPE OF LANDFILL CAP (check one): _X_Geomembrane ____ Clay ____ Composite
____ Other - Specify _____

10. LANDFILL GAS MANAGEMENT (Check all that apply): __X_ Passive Venting ____ Flares
____ Gas Filter ____ Gas Collection ____ Power Generation ____Other- Specify _____

11. LEACHATE MANAGEMENT: Does the landfill have a leachate collection system ? ___ Y _*X*_ N

12. DATE OF CLOSURE CERTIFICATION (mm/dd/yy): _____*11/30/11*_____

13. NAME OF CERTIFYING ENGINEER: _____*The Chazen Companies*_____

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14. GRANTED REGULATORY RELIEF VARIANCES (Check all that apply): ___Topsoil Layer ___Barrier Layer ___Barrier Protection Layer ____Gas Vent Layer I ___Gas Vent Layer II ___Post Closure Monitoring I ___Post Closure Monitoring II

15. DATE OF LAST MOWING OF VEGETATIVE COVER: *October 2012*

SECTION B - LANDFILL INSPECTION

1. DATE OF LAST INSPECTION (mm/dd/yy): *12/5/2012*

2. NAME(S) OF INSPECTOR(S): *Eric J. Orlowski, The Chazen Companies*

3. Was entire landfill surface and entire landfill perimeter inspected ? _X_ Y __ N; If no, describe extent of inspection:

_____
_____

4. Was the entire landfill surface covered with suitable vegetation (e.g. shallow rooting) and free of soil erosion ? _X_ Y ___ N; If no, identify problems identified and corrective actions taken or planned:

_____
_____

5. Were active leachate discharges, iron-stained surface soils or other signs of leachate breakouts noted ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____

6. Were areas of surface water ponding observed on the landfill surface ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____

7. Were odors detected on or in the vicinity of the landfill ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____

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8. Were vectors or evidence of vectors observed ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____
_____

9. Was damage to the landfill cover system, gas vents, monitoring wells, leachate collection system or other landfill components observed ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____
_____

10. Were there signs of dumping, ruts caused by vehicle tires, camp fires, or other signs of unauthorized public access or encroachment ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____
_____

11. Were any other problems noted in addition to those identified in items 4 through 10, above ? ___ Y _X_ N; If yes, describe the nature of the problem and corrective actions taken or planned:

_____
_____
_____

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SECTION C - WATER QUALITY MONITORING

1. CURRENT WATER QUALITY MONITORING PROGRAM (Check One):

__X__ Quarterly Routine/Annual Baseline _____ Semi-Annual Baseline _____ Annual Baseline
_____ Other - Specify:_Rotating Semi-Annual (one routine, one baseline)_____

2. DATE OF MOST RECENT WATER QUALITY SAMPLING EVENT (mm/dd/yy): ___*12/5/2012*__

3. INDICATE EACH SAMPLING EVENT COMPLETED DURING PAST YEAR AND ATTACH THE *DATA SUMMARY SHEETS* FOR EACH SAMPLING EVENT:

_X__ 1st Quarter __X__ 2nd Quarter _X__ 3rd Quarter __X__ 4th Quarter

4. LIST AND DESCRIBE THE WATER QUALITY MONITORING POINTS INCLUDED IN THE PROGRAM BY COMPLETING THE TABLE BELOW: *See Figure 2*

ID Number	Description: Indicate whether the monitoring point is for groundwater or surface water, upgradient or downgradient, completed in overburden or bedrock, and, if part of a well couplet, shallow or deep
MW-1S	*Upgradient overburden groundwater*
MW-2	*Downgradient overburden groundwater*
MW-3S	*Downgradient overburden groundwater*

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5. Using the following table, summarize each parameter detected during the reporting period, at a downgradient monitoring point, at a concentration exceeding the applicable water quality standard. (Include parameters which are undetected, if detection limit exceeds the standard.)

Sample Date	Sampling Point	Parameter	Units	Sample Result	Applicable Standard	Upgradient Results
3/28/12	*MW-2, 3S*	*Total Phenols*	*mg/L*	*ND at 0.05*	*0.001*	*ND at 0.005 (MW-1)*
3/28/12	*MW-2*	*Iron*	*mg/L*	*47.8*	*0.300*	*1.68 (MW-1)*
3/28/12	*MW-3S*	*Iron*	*mg/L*	*1.54*	*0.300*	*1.68 (MW-1)*
3/28/12	*MW-2*	*Manganese*	*mg/L*	*11.4*	*0.300*	*0.303 (MW-1)*
3/28/12	*MW-3S*	*Manganese*	*mg/L*	*21.5*	*0.300*	*0.303 (MW-1)*
6/12/12	*MW-2, 3S*	*Total Phenols*	*mg/L*	*ND at 0.05*	*0.001*	*ND at 0.005 (MW-1)*
6/12/12	*MW-2*	*Iron*	*mg/L*	*47.1*	*0.300*	*ND at 0.01 (MW-1)*
6/12/12	*MW-3S*	*Iron*	*mg/L*	*2.48*	*0.300*	*ND at 0.01 (MW-1)*
6/12/12	*MW-2*	*Manganese*	*mg/L*	*12.9*	*0.300*	*0.726 (MW-1)*
6/12/12	*MW-3S*	*Manganese*	*mg/L*	*17.6*	*0.300*	*0.726 (MW-1)*
6/12/12	*MW-3S*	*Sodium*	*mg/L*	*26.3*	*20.0*	*10.0 (MW-1)*
6/12/12	*MW-2*	*Benzene*	*ug/L*	*1.8 J*	*1.0*	*ND at 5.0 (MW-1)*
10/1/12	*MW-2, 3S*	*Total Phenols*	*mg/L*	*ND at 0.05*	*0.001*	*ND at 0.005 (MW-1)*
10/1/12	*MW-2*	*Iron*	*mg/L*	*26.3*	*0.300*	*0.0174 (MW-1)*
10/1/12	*MW-3S*	*Iron*	*mg/L*	*26.3*	*0.300*	*0.0174 (MW-1)*
10/1/12	*MW-2*	*Manganese*	*mg/L*	*10.2*	*0.300*	*0.385 (MW-1)*
10/1/12	*MW-3S*	*Manganese*	*mg/L*	*18.6*	*0.300*	*0.385 (MW-1)*
12/5/12	*MW-2, 3S*	*Total Phenols*	*mg/L*	*ND at 0.05*	*0.001*	*ND at 0.005 (MW-1)*
12/5/12	*MW-2*	*Iron*	*mg/L*	*65.4*	*0.300*	*ND at 0.02 (MW-1)*
12/5/12	*MW-3S*	*Iron*	*mg/L*	*29.0*	*0.300*	*ND at 0.02 (MW-1)*
12/5/12	*MW-2*	*Manganese*	*mg/L*	*15.5*	*0.300*	*0.453 (MW-1)*
12/5/12	*MW-3S*	*Manganese*	*mg/L*	*19.2*	*0.300*	*0.453 (MW-1)*

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6. Do results of the most recent water quality monitoring event indicate an improvement or a worsening in water quality when compared with those of previous water quality monitoring events ? ___ Y _X_ N; If yes, describe change, attach graphs or tables if appropriate.

__These data represent the first year of post-closure monitoring since completion of the Closure Investigation in 2005-2006. Attached data tables record some improvements and some increases in characteristic leachate parameters which will warrant observation as time passes following completion of the closure activities. A natural spring along the Wappinger Creek previously interpreted to be impacted by landfill leachate discharges has begun returning to a clear discharge following completion of closure activities.

SECTION D - IMPACTED OR POTENTIALLY IMPACTED RESIDENTIAL WATER SUPPLY WELLS

1. Are there residences served by private water supply wells located less than one mile from the landfill in the downgradient direction and not separated from the landfill by an intervening perennial stream or other groundwater discharge zone ? __Y _X_N;

If yes, provide the information requested in items 2 through 5, below.

2. Indicate the distance between the downgradient edge of the landfill and the nearest residential water supply well, in feet: _____

3. Have residential wells been sampled to determine whether there has been landfill-water quality impact ? ___Y ___N; If yes, provide the following information:

Date of most recent sampling event (mm/dd/yy): _____ Number of wells tested: _____

Samples collected by: _____ Was the County Health Department notified? __Y __N

Parameters tested:_____

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4. Using the following table, summarize each parameter detected during the reporting period, at a downgradient monitoring point, at a concentration exceeding the applicable drinking water standard. (Include parameters which are undetected, if detection limit exceeds the standard.)

Sample Date	Homeowner Name or Well ID	Parameter	Units	Sample Result	Applicable Standard

5. Explain cause of parameters exceeding standards, and if due to landfill-derived contamination, indicate what actions have been taken or are planned to mitigate water quality impact.

_____
_____
_____

SECTION E - GAS MONITORING

1. Is landfill gas monitoring carried out at the landfill ? _X_ Y __N; If yes, provide the following information:

Type of monitoring (Check all that are applicable):
___ Landfill perimeter survey using temporary boreholes
___ Landfill perimeter survey using permanent gas monitoring wells
_X_ Landfill gas vents within waste mass (as well as inspection for blockage)
___ Interior survey of on-site and nearby structures
___ Landfill final cover areas where stressed vegetation and/or fissures are evident
___ Continuous automatic monitoring devices installed in buildings
___ Other - Specify: _____

Frequency of Monitoring: _X_ Quarterly ___Semi-annual __Annual __Other- Specify_____

Date of Most Recent Monitoring Event (mm/dd.yy): *12/5/12* (Attach data sheet and site plan showing sampling locations) *See Figure 2*

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2. Have any explosive gas readings exceeding 25% of the lower explosive limit been detected during sampling events carried out during the past year ? _X_Y __N; If yes, indicate whether the readings indicate a potential threat to public safety, what actions have been taken or are planned to mitigate potential safety concerns or the rationale for why corrective action is not needed.

__*These readings were noted at waste mass gas vents and are consistent with historical data. No threat is posed to public safety.*_____

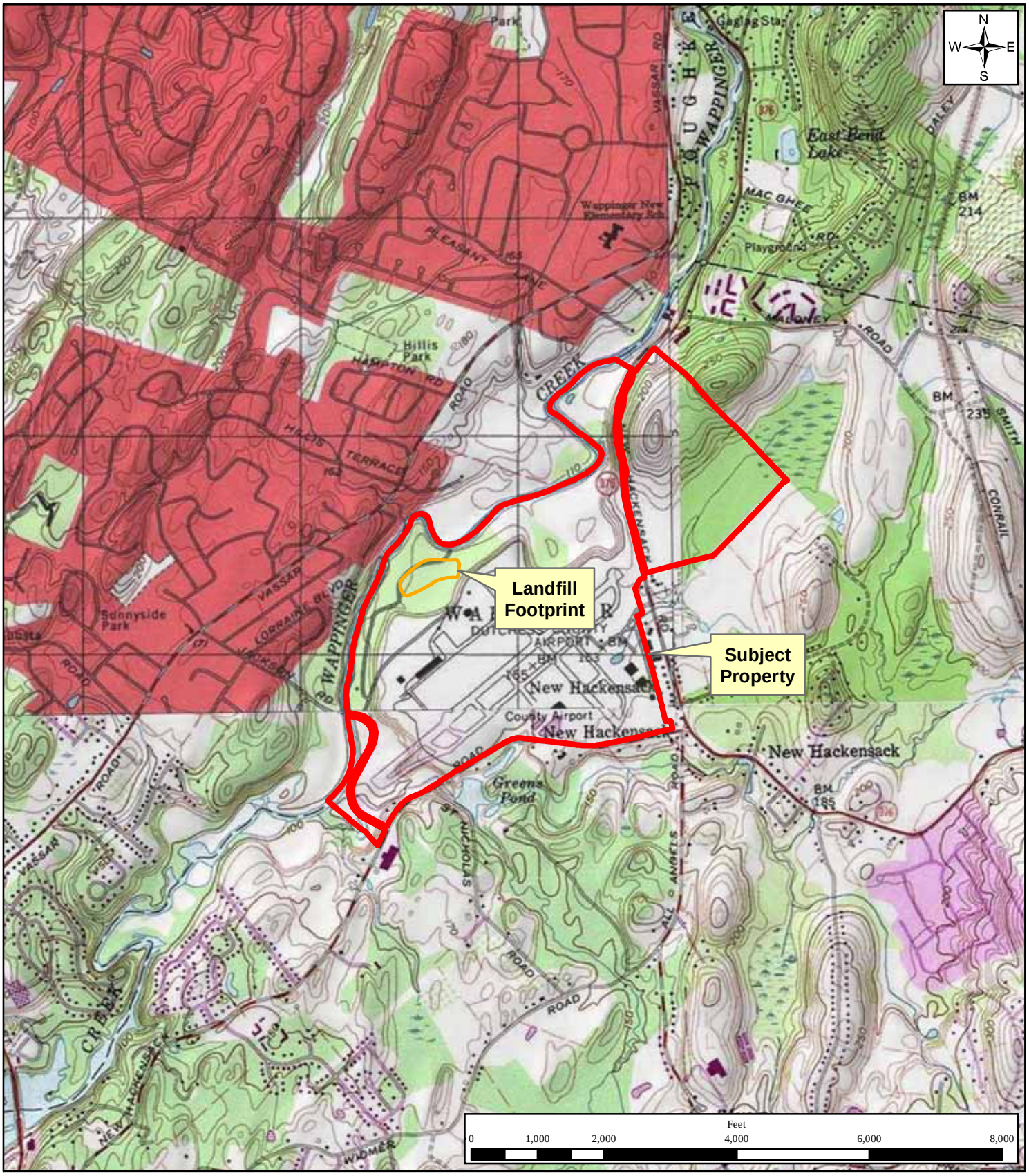
SECTION F - CERTIFICATION OF ACCURACY

I certify that the information provided in this form is accurate and complete, to the best of my knowledge. I understand, that knowingly providing false information, may be grounds for enforcement action.

_*Russell Urban-Mead, CPG*_____ _*Senior Hydrogeologist*_____
Name Title

_____ _*12/21/2012*_____
Signature Date

Figures



THE Chazen COMPANIES

ENGINEERS/SURVEYORS
PLANNERS
ENVIRONMENTAL SCIENTISTS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

Glens Falls Office:
100 Glen Street, Glens Falls, NY 12801
Phone: (518) 812-0513

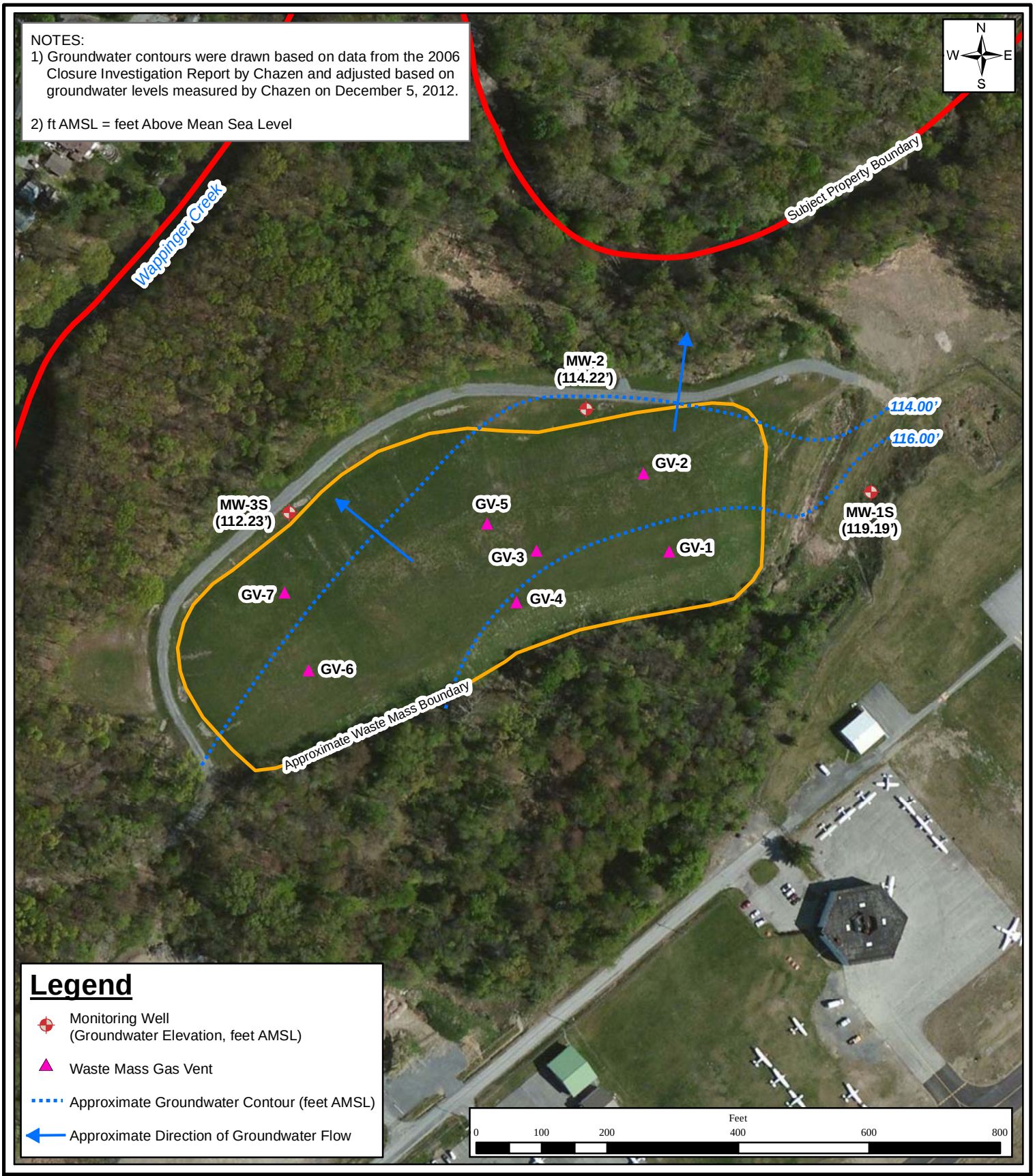
Dutchess County Balefill

Figure 1 - Site Location Map

Citation Drive
Town of Wappingers Falls, Dutchess County, New York

Source: U.S.G.S. Topographic Maps of the Poughkeepsie, Pleasant Valley, Hopwell Junction and Wappingers Falls, New York Quadrangles, Dated 1995, 1957 (photorevised 1981), 1957 (photorevised 1981) and 1956 (photorevised 1981) respectively,7.5-Minute Series;
Dutchess County Real Property Services 2010 Tax Parcel Data.

Drawn:	EJO
Date:	2012
Scale:	As Shown
Project:	81030.00
Figure:	1



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Dutchess County Balefill

Figure 2 - Site Layout Map

Citation Drive
Town of Wappingers Falls, Dutchess County, New York

Source: Bing.com aerial photography, 2010-2012; Dutchess County Real Property Services 2010 tax parcel data; other features drawn by Chazen, 2012.

Drawn:	EJO
Date:	2012
Scale:	As Shown
Project:	81030.00
Figure:	2

Photo Log: Spring area near Wappinger Creek bank

Photo 1
Representative view of spring area near Wappinger Creek bank, March 28, 2012.

Photo 2
Representative view of spring area near Wappinger Creek bank, June 12, 2012.

Photo 3
Representative view of spring area near Wappinger Creek bank, October 1, 2012.

Photo 4
Representative view of spring area near Wappinger Creek bank, December 5, 2012.

Data Tables and Scatter Plots

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - AMMONIA, mg/L							
Well ID	MW-1S		MW-2		MW-3S		
Position	Upgradient		Downgradient		Downgradient		
Formation	Overburden		Overburden		Overburden		
11/17/2005	0.27		**4.78**		0.08		
2/23/2006	0.05	u	**4.31**		**13.2**		
5/23/2006	0.22		**3.75**		**8.25**		
3/28/2012	0.520		1.90		**2.10**		
6/12/2012	0.0800		1.70		**2.50**		
10/1/2012	0.0675		1.56		1.86		
12/5/2012	0.0840		**3.18**		1.93		
Summary Statistics							
Count	7		7		7		
Minimum	0.050		1.560		0.080		
Maximum	0.520		4.780		13.200		
Mean	0.185		3.026		4.274		
Std. Deviation	0.170		1.320		4.695		
Median	0.084		3.180		2.100		
10th Percentile	0.061		1.644		1.148		
90th Percentile	0.370		4.498		10.230		

Notes: 1. Values exceeding the applicable groundwater quality standard (2 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

Dutchess County Balefill, Ammonia in Downgradient Locations Exceeding Water Quality Standards (MW-2, MW-3S)

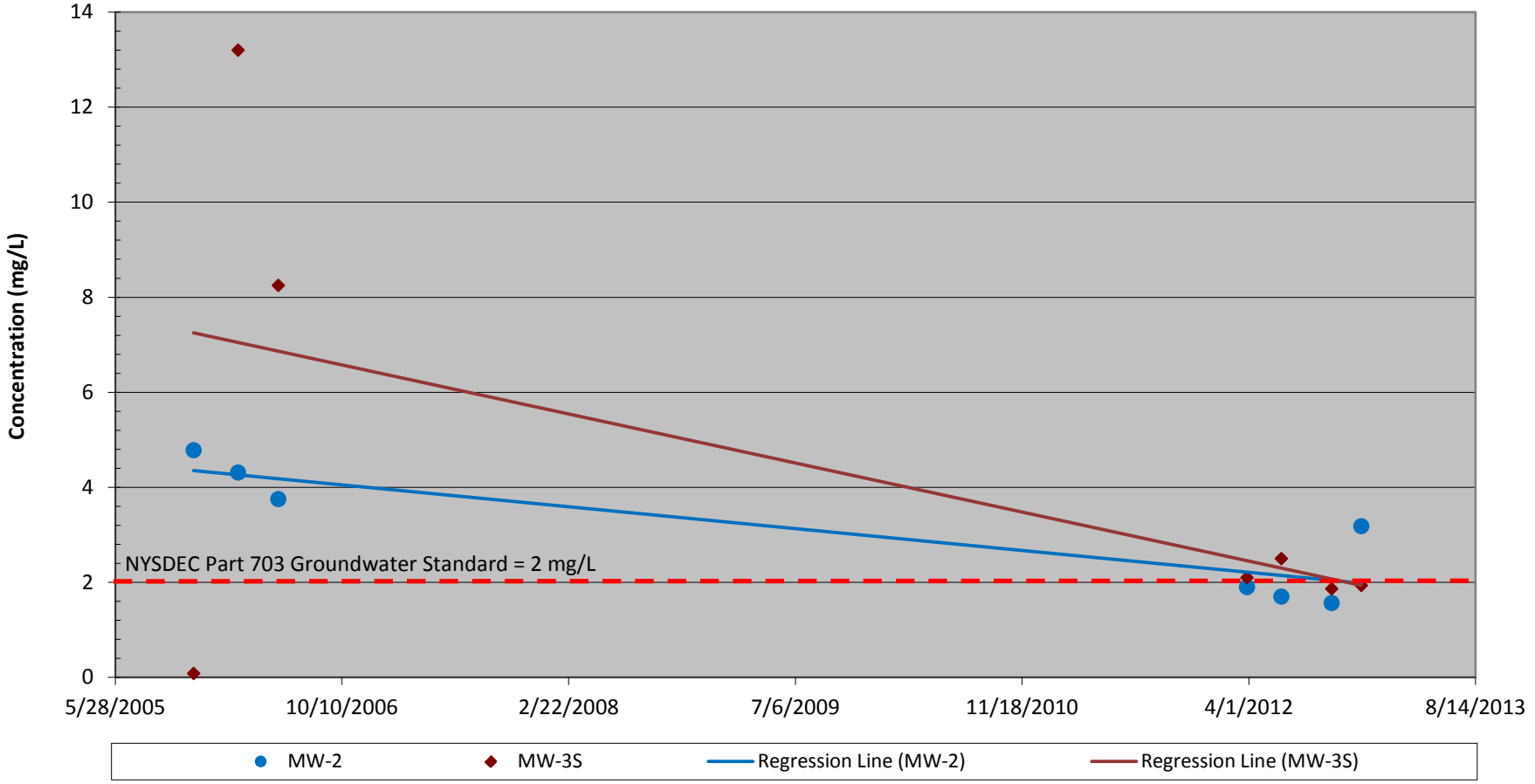

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - CHEMICAL OXYGEN DEMAND, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	18		54.2		10	u
2/23/2006	10	u	20.6		36.1	
5/23/2006	10	u	162		32.5	
3/28/2012	120		50		91	
6/12/2012	160		10	u	10	u
10/1/2012	730		20		30	
12/5/2012	430		35		72	
Summary Statistics						
Count	7		7		7	
Minimum	10	u	10	u	10	u
Maximum	730		162		91	
Mean	211.143		50.257		40.229	
Std. Deviation	272.719		51.882		30.540	
Median	120.000		35.000		32.500	
10th Percentile	10.000		16.000		10.000	
90th Percentile	550.000		97.320		79.600	

Notes: 1. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 2. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - BIOCHEMICAL OXYGEN DEMAND, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	1	u	17		1	u
2/23/2006	1		5		5	
5/23/2006	1	u	9		1	u
3/28/2012	94		22		24	
6/12/2012	1	u	16		8	
10/1/2012	3		19		8	
12/5/2012	4.5		27		14	
Summary Statistics						
Count	7		7		7	
Minimum	1	u	5		1	u
Maximum	94		27		24	
Mean	15.071		16.429		8.714	
Std. Deviation	34.831		7.480		8.118	
Median	1.000		17.000		8.000	
10th Percentile	1.000		7.400		1.000	
90th Percentile	40.300		24.000		18.000	

Notes: 1. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 2. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - TOTAL ORGANIC CARBON, mg/L							
Well ID	MW-1S			MW-2			MW-3S		
Position	Upgradient			Downgradient			Downgradient		
Formation	Overburden			Overburden			Overburden		
11/17/2005	5.4			11			1.2		
2/23/2006	1.0	u		2.6			8.7		
5/23/2006	1.0	u		2.1			3.8		
3/28/2012	1.00	u		1.46			5.74		
6/12/2012	1.32			1.66			8.83		
10/1/2012	1.00	u		4.36			8.12		
12/5/2012	1.52			3.56			11.6		
Summary Statistics									
Count	7			7			7		
Minimum	1.0	u		1.46			1.2		
Maximum	5.4			11			11.6		
Mean	1.749			3.820			6.856		
Std. Deviation	1.623			3.332			3.511		
Median	1.000			2.600			8.120		
10th Percentile	1.000			1.580			2.760		
90th Percentile	3.072			7.016			9.938		

Notes: 1. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 2. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - TOTAL DISSOLVED SOLIDS, mg/L			
Well ID	MW-1S	MW-2	MW-3S
Position	Upgradient	Downgradient	Downgradient
Formation	Overburden	Overburden	Overburden
11/17/2005	**782**	284	316
2/23/2006	358	228	**777**
5/23/2006	143	232	**684**
3/28/2012	348	237	**826**
6/12/2012	418	306	**948**
10/1/2012	438	379	**808**
12/5/2012	451	424	**1,040**
Summary Statistics			
Count	7	7	7
Minimum	143	228	**316**
Maximum	**782**	424	**1,040**
Mean	419.714	298.571	771.286
Std. Deviation	190.652	77.106	231.917
Median	418.000	284.000	808.000
10th Percentile	266.000	230.400	536.800
90th Percentile	583.400	397.000	984.800

Notes: 1. Values exceeding the applicable groundwater quality standard (500 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

Dutchess County Balefill, Total Dissolved Solids in Downgradient Locations Exceeding Water Quality Standards (MW-3S)

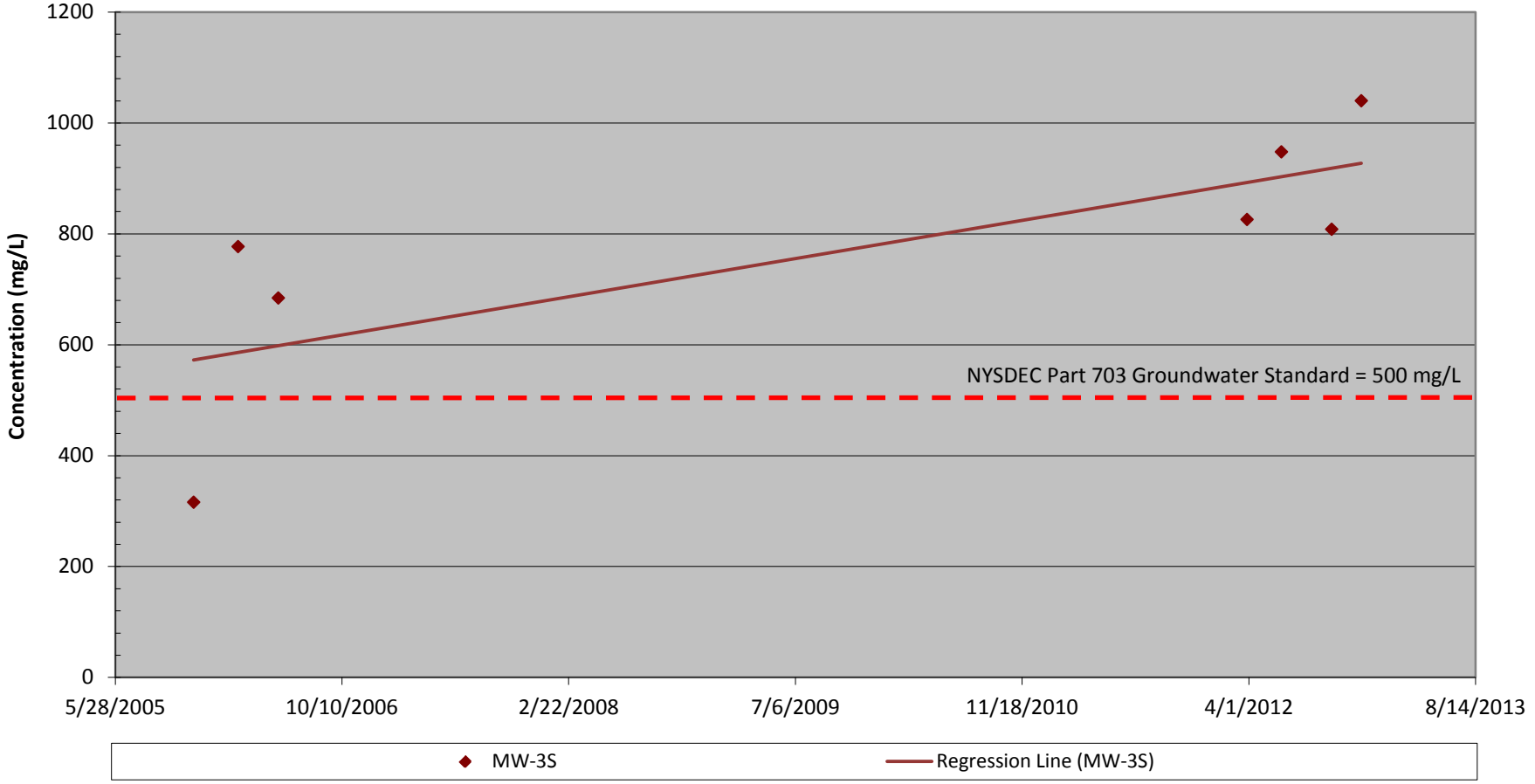

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - SULFATE, mg/L							
Well ID	MW-1S		MW-2		MW-3S		
Position	Upgradient		Downgradient		Downgradient		
Formation	Overburden		Overburden		Overburden		
11/17/2005	55.1		1.19		52		
2/23/2006	53.8		3.8		35.3		
5/23/2006	2.62		1.99		43.7		
3/28/2012	66.9		1.00	u	96.7		
6/12/2012	61.5		1.00	u	117		
10/1/2012	63.3		4.76		73.7		
12/5/2012	63.7		1.00	u	165		
Summary Statistics							
Count	7		7		7		
Minimum	2.62		1.00	u	35.3		
Maximum	66.9		4.76		165		
Mean	52.417		2.106		83.343		
Std. Deviation	22.461		1.551		46.429		
Median	61.500		1.190		73.700		
10th Percentile	33.328		1.000		40.340		
90th Percentile	64.980		4.184		136.200		

Notes: 1. Values exceeding the applicable groundwater quality standard (250 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - ALKALINITY (as $CaCO_3$), mg/L								
Well ID	MW-1S			MW-2			MW-3S		
Position	Upgradient			Downgradient			Downgradient		
Formation	Overburden			Overburden			Overburden		
11/17/2005	765			458			433		
2/23/2006	286			223			538		
5/23/2006	111			196			402		
3/28/2012	280			200			630		
6/12/2012	370			270			880		
10/1/2012	420			300			630		
12/5/2012	530			340			710		
Summary Statistics									
Count	7			7			7		
Minimum	111			196			402		
Maximum	765			458			880		
Mean	394.571			283.857			603.286		
Std. Deviation	209.020			93.439			164.905		
Median	370.000			270.000			630.000		
10th Percentile	212.400			198.400			420.600		
90th Percentile	624.000			387.200			778.000		

Notes: 1. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 2. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - TOTAL PHENOLS, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	**0.05**	u	**0.19**		**0.05**	u
2/23/2006	**0.05**	u	**0.05**	u	**0.05**	u
5/23/2006	**0.05**	u	**0.05**	u	**0.05**	u
3/28/2012	**0.05**	u	**0.05**	u	**0.05**	u
6/12/2012	**0.05**	u	**0.05**	u	**0.05**	u
10/1/2012	**0.05**	u	**0.05**	u	**0.05**	u
12/5/2012	**0.05**	u	**0.05**	u	**0.05**	u
Summary Statistics						
Count	7		7		7	
Minimum	**0.05**	u	**0.05**	u	**0.05**	u
Maximum	**0.05**	u	**0.19**		**0.05**	u
Mean	0.050		0.070		0.050	
Std. Deviation	0.000		0.053		0.000	
Median	0.050		0.050		0.050	
10th Percentile	0.050		0.050		0.050	
90th Percentile	0.050		0.106		0.050	

Notes: 1. Values exceeding the applicable groundwater quality standard (0.001 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - CHLORIDE, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	69.2		28.8		3.21	
2/23/2006	3.49		13.8		85.1	
5/23/2006	0.6		17.2		71.7	
3/28/2012	2.47		10.8		19.1	
6/12/2012	2.85		10.5		23.5	
10/1/2012	2.69		2.39		3.56	
12/5/2012	2.60		12.1		19.6	
Summary Statistics						
Count	7		7		7	
Minimum	0.6		2.39		3.21	
Maximum	69.2		28.8		85.1	
Mean	11.986		13.656		32.253	
Std. Deviation	25.245		8.056		32.725	
Median	2.690		12.100		19.600	
10th Percentile	1.722		7.256		3.420	
90th Percentile	29.774		21.840		77.060	

Notes: 1. Values exceeding the applicable groundwater quality standard (250 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - TOTAL HARDNESS, mg/L			
Well ID	MW-1S	MW-2	MW-3S
Position	Upgradient	Downgradient	Downgradient
Formation	Overburden	Overburden	Overburden
11/17/2005	597	215	320
2/23/2006	329	164	597
5/23/2006	57.5	203	549
3/28/2012	375	170	692
6/12/2012	718	172	842
10/1/2012	1,080	286	636
12/5/2012	880	220	809
Summary Statistics			
Count	7	7	7
Minimum	57.5	164	320
Maximum	1,080	286	842
Mean	576.643	204.286	635.000
Std. Deviation	350.544	42.586	175.328
Median	597.000	203.000	636.000
10th Percentile	220.400	167.600	457.400
90th Percentile	960.000	246.400	822.200

Notes: 1. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 2. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - IRON, mg/L								
Well ID	MW-1S			MW-2			MW-3S	
Position	Upgradient			Downgradient			Downgradient	
Formation	Overburden			Overburden			Overburden	
11/17/2005	**0.451**			**15.3**			**0.448**	
2/23/2006	0.207			**15.7**			0.227	
5/23/2006	0.073			**21.6**			**0.365**	
3/28/2012	**1.68**			**47.8**			**1.54**	
6/12/2012	0.01		u	**47.1**			**2.48**	
10/1/2012	0.0174			**26.3**			**26.3**	
12/5/2012	0.02		u	**65.4**			**29.0**	
Summary Statistics								
Count	7			7			7	
Minimum	0.01		u	**15.3**			0.227	
Maximum	**1.68**			**65.4**			**29.0**	
Mean	0.351			34.171			8.623	
Std. Deviation	0.607			19.345			13.046	
Median	0.073			26.300			1.540	
10th Percentile	0.014			15.540			0.310	
90th Percentile	0.943			54.840			27.380	

Notes: 1. Values exceeding the applicable groundwater quality standard (0.300 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value. 4. Data for MW-1S from June, October and December represent dissolved levels of iron. Dissolved metals analysis was requested due to elevated sample turbidity.

Dutchess County Balefill, Iron in Downgradient Locations Exceeding Water Quality Standards (MW-2, MW-3S)

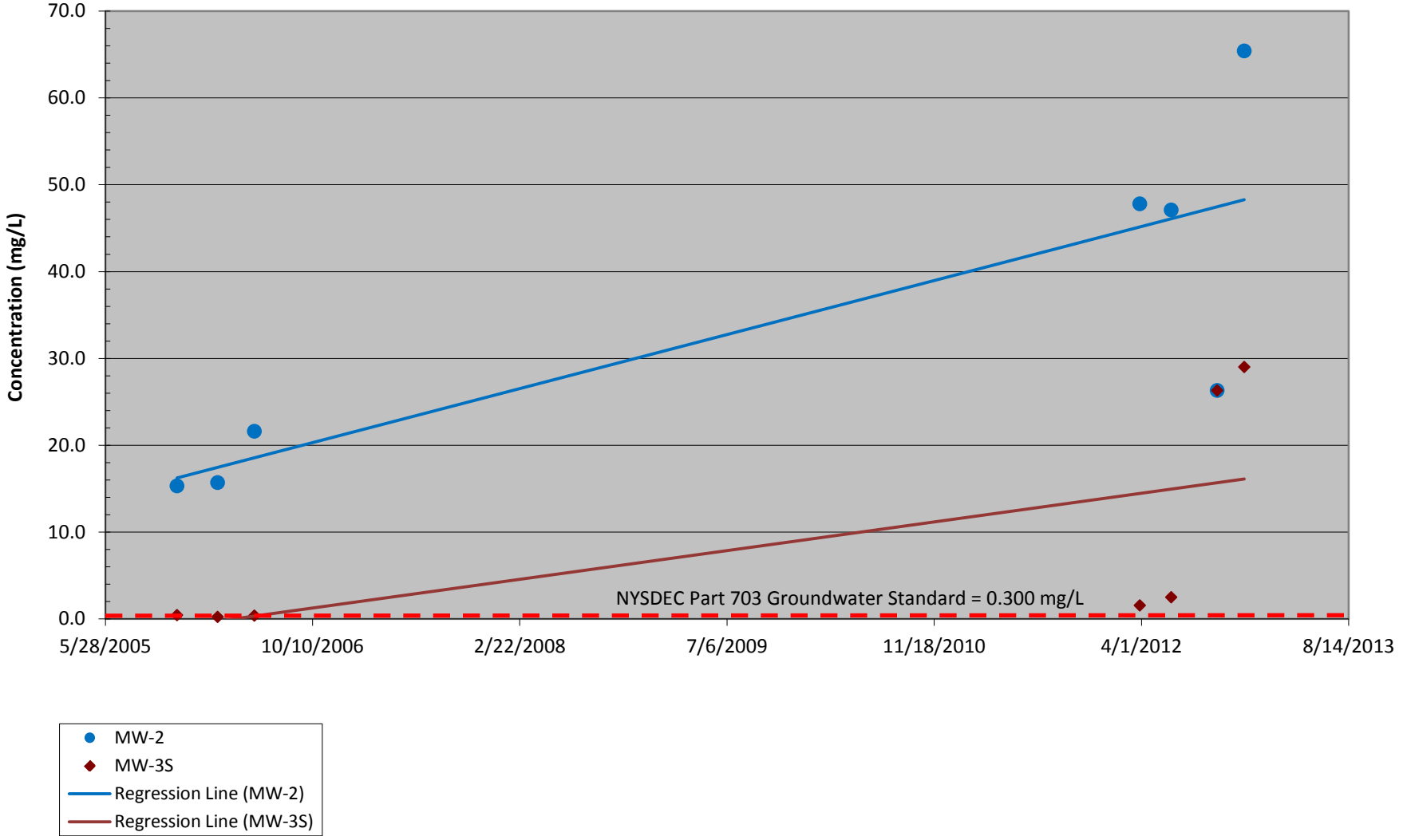

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - LEAD, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	0.003	u	0.006		0.004	
2/23/2006	0.005	u	0.005	u	0.005	u
5/23/2006	0.005	u	0.009		0.005	u
3/28/2012	0.003	u	0.003	u	0.003	u
6/12/2012	**0.07**		0.003	u	0.004	
10/1/2012	0.003	u	0.003	u	0.003	u
12/5/2012	0.003	u	0.003	u	0.00526	
Summary Statistics						
Count	7		7		7	
Minimum	0.003	u	0.003	u	0.003	u
Maximum	**0.07**		0.009		0.00526	
Mean	0.013		0.005		0.004	
Std. Deviation	0.025		0.002		0.001	
Median	0.003		0.003		0.004	
10th Percentile	0.003		0.003		0.003	
90th Percentile	0.031		0.007		0.005	

Notes: 1. Values exceeding the applicable groundwater quality standard (0.025 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value. 4. Data for MW-1S from June, October and December represent dissolved levels of lead. Dissolved metals analysis was requested due to elevated sample turbidity.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - MANGANESE, mg/L								
Well ID	MW-1S			MW-2			MW-3S	
Position	Upgradient			Downgradient			Downgradient	
Formation	Overburden			Overburden			Overburden	
11/17/2005	**0.492**			**12.3**			0.241	
2/23/2006	0.195			**13**			**1.68**	
5/23/2006	0.005		u	**13.4**			**1.57**	
3/28/2012	**0.303**			**11.4**			**21.5**	
6/12/2012	**0.726**			**12.9**			**17.6**	
10/1/2012	**0.385**			**10.2**			**18.6**	
12/5/2012	**0.453**			**15.5**			**19.2**	
Summary Statistics								
Count	7			7			7	
Minimum	0.01		u	**10.2**			0.241	
Maximum	**0.726**			**15.5**			**21.5**	
Mean	0.366			12.671			11.484	
Std. Deviation	0.230			1.661			9.736	
Median	0.385			12.900			17.600	
10th Percentile	0.119			10.920			1.038	
90th Percentile	0.586			14.240			20.120	

Notes: 1. Values exceeding the applicable groundwater quality standard (0.300 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value. 4. Data for MW-1S from June, October and December represent dissolved levels of manganese. Dissolved metals analysis was requested due to elevated sample turbidity.

Dutchess County Balefill, Manganese in Downgradient Locations Exceeding Water Quality Standards (MW-2, MW-3S)

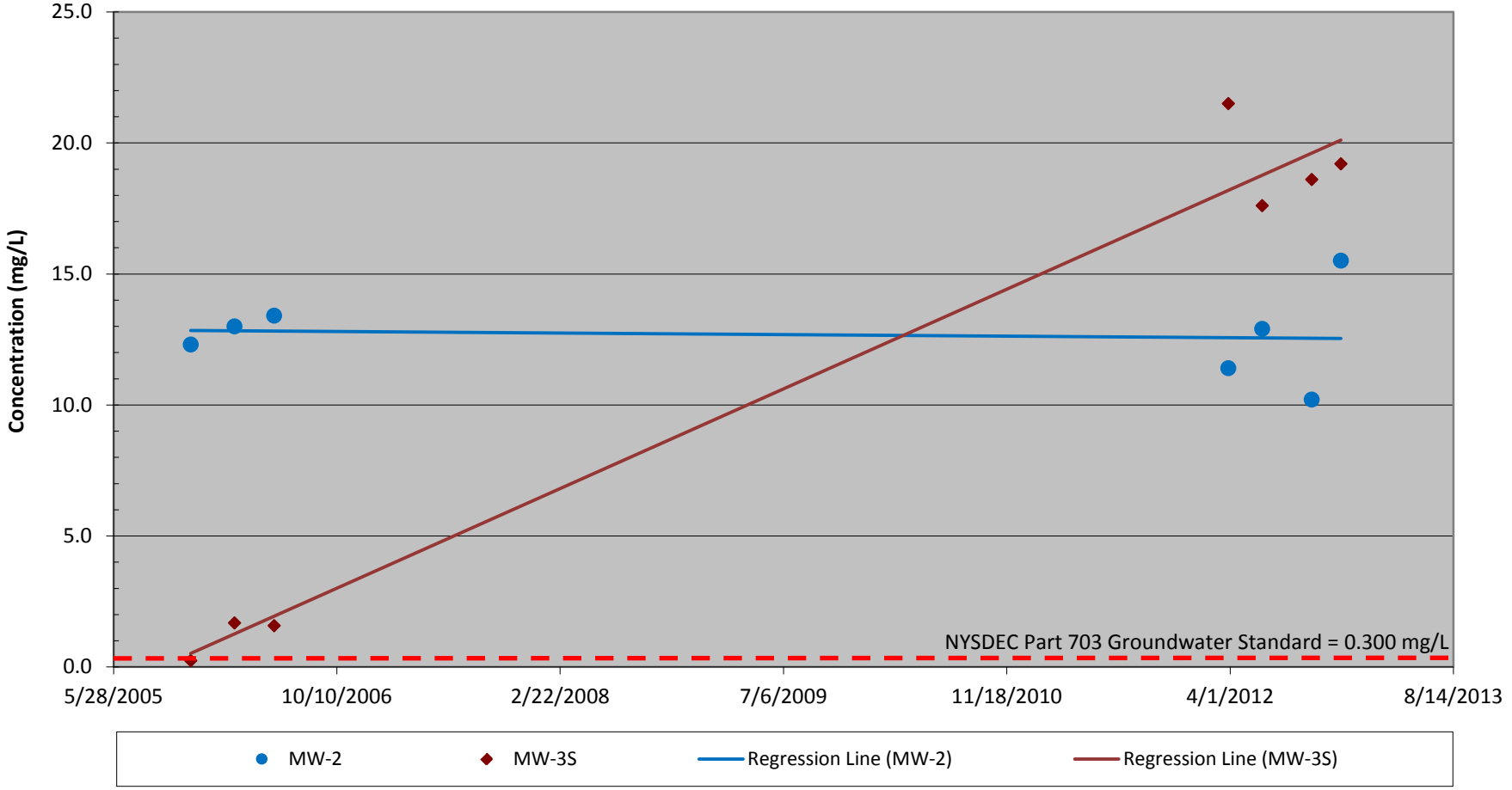

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - SODIUM, mg/L								
Well ID	MW-1S			MW-2			MW-3S	
Position	Upgradient			Downgradient			Downgradient	
Formation	Overburden			Overburden			Overburden	
11/17/2005	**37.7**			17.9			10.9	
2/23/2006	10.3			7.17			**48.2**	
5/23/2006	27.3			8.59			**41.9**	
3/28/2012	10.0			9.52			16.5	
6/12/2012	11.6			9.69			**26.3**	
10/1/2012	10.7			3.93			7.01	
12/5/2012	10.5			12.0			18.3	
Summary Statistics								
Count	7			7			7	
Minimum	10.0		u	3.93			7.01	
Maximum	**37.7**			17.9			**48.2**	
Mean	16.871			9.829			24.159	
Std. Deviation	11.101			4.347			15.600	
Median	10.700			9.520			18.300	
10th Percentile	10.180			5.874			9.344	
90th Percentile	31.460			14.360			44.420	

Notes: 1. Values exceeding the applicable groundwater quality guidance value (20 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value. 4. Data for MW-1S from October and December represent dissolved levels of sodium. Dissolved metals analysis was requested due to elevated sample turbidity.

Dutchess County Balefill, Sodium in Downgradient Locations Exceeding Water Quality Standards (MW-3S)

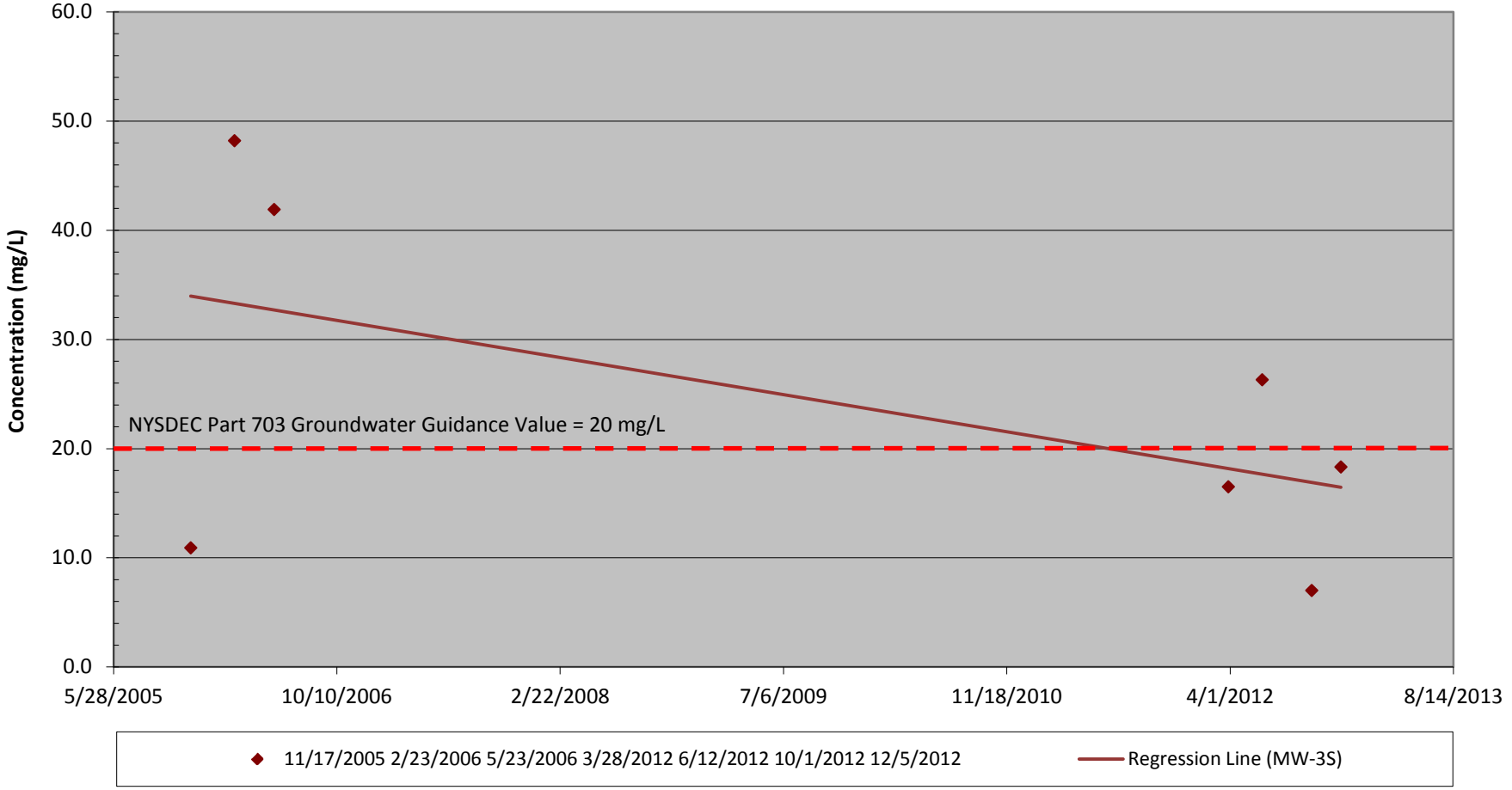

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - ARSENIC, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	0.004	u	0.004	u	0.004	u
2/23/2006						
5/23/2006						
3/28/2012						
6/12/2012	0.025		0.010	u	0.010	u
10/1/2012						
12/5/2012						
Summary Statistics						
Count	2		2		2	
Minimum	0.004	u	0.004	u	0.004	u
Maximum	0.025		0.010	u	0.010	u
Mean	0.015		0.007		0.007	
Std. Deviation	0.015		0.004		0.004	
Median	0.015		0.007		0.007	
10th Percentile	0.006		0.005		0.005	
90th Percentile	0.023		0.009		0.009	

Notes: 1. Values exceeding the applicable groundwater quality standard (0.025 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 1: INORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - BORON, mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	0.254		0.166		0.020	u
2/23/2006						
5/23/2006						
3/28/2012						
6/12/2012	0.0101		0.0275		0.230	
10/1/2012						
12/5/2012						
Summary Statistics						
Count	2		2		2	
Minimum	0.0101		0.0275		0.020	u
Maximum	0.254		0.166		0.230	
Mean	0.132		0.097		0.125	
Std. Deviation	0.172		0.098		0.148	
Median	0.132		0.097		0.125	
10th Percentile	0.034		0.041		0.041	
90th Percentile	0.230		0.152		0.209	

Notes: 1. Values exceeding the applicable groundwater quality standard (1.0 mg/L) are shown in bold. 2. Non-detects are shown as values corresponding to the lab reporting limit followed by the "u" data qualifier. In calculating percentile values, all non-detects were ranked in a separate series below the detected values. 3. The qualifier "J" indicates a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value.

TABLE 2: ORGANIC COMPOUND ANALYTICAL RESULTS

DUTCHESS COUNTY BALEFILL - TOTAL VOLATILE ORGANIC COMPOUNDS (VOCs), mg/L						
Well ID	MW-1S		MW-2		MW-3S	
Position	Upgradient		Downgradient		Downgradient	
Formation	Overburden		Overburden		Overburden	
11/17/2005	**14**		**6**		1	u
2/23/2006						
5/23/2006						
3/28/2012						
6/12/2012	8.3	JB	**11.1**	JB	10.4	JB
10/1/2012						
12/5/2012						
Summary Statistics						
Count	2		2		2	
Minimum	8.3		**6**		1	u
Maximum	**14**		**11.1**		10.4	
Mean	11.150		8.550		5.700	
Std. Deviation	4.031		3.606		6.647	
Median	11.150		8.550		5.700	
10th Percentile	8.870		6.510		1.940	
90th Percentile	13.430		10.590		9.460	

Notes: 1) Where one or more VOCs exceeded their respective applicable groundwater standard(s), results are posted in bold. 2. In November 2005, at MW-1S, chlorobenze exceeded its standard and at MW-2, benzene and chlorobenzene exceeded their standards. 3. In June 2012, at MW-2, benzene exceeded its standard. 4. The qualifier "J" indicates one or more VOC were detected at a value below the laboratory reporting limit but above the method detection limit. The value shown is an approximate value. 5. The qualifier 'B' indicates one or more VOCs were detected in both the sample and the associated blank. These detections may therefore represent laboratory artifacts.

Dutchess County Balefill, Total Volatile Organic Compounds (VOCs) in Downgradient Locations Exceeding Water Quality Standards (MW-2)

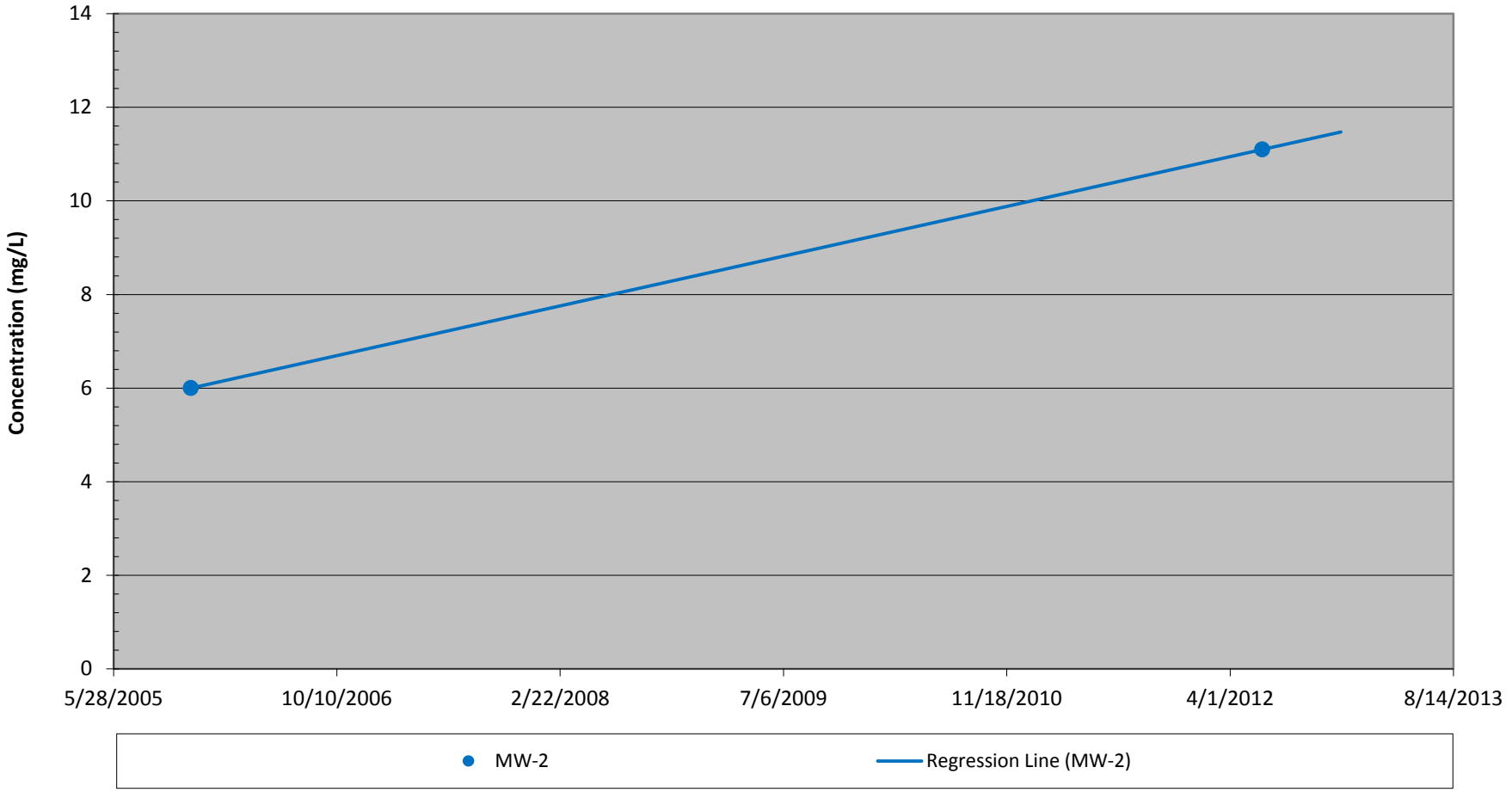

Table 3: Explosive Gas Monitoring Data
Dutchess County Balefill
Citation Road, Town of Wappingers Falls, Dutchess County, New York

Date: March 28, 2012 ***Technician: Eric J. Orlowski***

Gas Vent ID	*Methane (% LEL)*	*Oxygen (%)*	*Notes*
GV-1	>100	0.0	Moderate odor
GV-2	>100	0.0	Moderate odor
GV-3	>100	9.8	Mild odor
GV-4	>100	2.1	Moderate odor
GV-5	>100	1.1	Moderate odor
GV-6	>100	15.2	Mild odor
GV-7	>100	16.4	Mild odor

Date: June 12, 2012 ***Technician: Eric J. Orlowski***

Gas Vent ID	*Methane (% LEL)*	*Oxygen (%)*	*Notes*
GV-1	>100	0.7	Moderate odor
GV-2	>100	0.8	Moderate odor
GV-3	>100	5.9	Moderate odor
GV-4	>100	1.1	Moderate odor
GV-5	>100	2.7	Moderate odor
GV-6	>100	15.7	Mild odor
GV-7	>100	18.6	Mild odor

Date: October 1, 2012 ***Technician: Eric J. Orlowski***

Gas Vent ID	*Methane (% LEL)*	*Oxygen (%)*	*Notes*
GV-1	>100	3.6	Moderate odor
GV-2	>100	4.3	Moderate odor
GV-3	>100	12.8	Mild odor
GV-4	>100	7.8	Moderate odor
GV-5	>100	8.0	Moderate odor
GV-6	8.0	20.4	
GV-7	9.0	20.5	

Date: December 5, 2012 ***Technician: Eric J. Orlowski***

Gas Vent ID	*Methane (% LEL)*	*Oxygen (%)*	*Notes*
GV-1	0	20.9	
GV-2	0	20.9	
GV-3	0	20.9	
GV-4	0	20.9	
GV-5	0	20.9	
GV-6	0	20.9	
GV-7	0	20.9	

NOTE: Gas meter was re-calibrated twice in the field to confirm accuracy and tested against known emission sources. Weather conditions were overcast and suitable for assessment. No explanation was identified for a condition suggestive of zero gas emissions during this visit.

Laboratory Reports and Field Data Sheets

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	DCB-MW-15	Sample Time:	1149	Sample Matrix *(circle)*:	
Well ID:	MW-15	Sample Date:	3/30/2012	***Groundwater***	Soil
Project Name:	DC Bakehell	Sample Tech(s):	ORLOWSKI	Surface Water	Air
Sample Location:	Quarterly	Project and Task #:	81030.00	Drinking Water	Other:
		Project Manager:	RUM		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC *(B)*

Depth to Bottom:

Depth to Water: 10.53

Water Column Height: *(A)*

(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow

Start Date: 3/30/2012

Start Time: 1127

Stop Time: 1147

Purge Rate (gpm):

Elapsed Time (min): 20

Well Vol. Purged (#): <1

Purge Vol. (gal): ~1.0

Well went dry? (No) Yes

Conditions: (No Odor) Odor

(Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm^c	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1127	10.53	11.81	0.672	0.503		0.439		23.01	7.23	39.6	
	1132	13.74	11.06	0.690	0.506		0.449		5.01	5.69	51.7	
	1137	16.25	10.75	0.693	0.505		0.453		4.12	5.78	69.7	
	1142	17.36	10.79	0.693	0.505		0.450		3.95	5.90	64.6	
	1147	18.41	10.83	0.693	0.506		0.450		3.86	6.09	63.9	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite

Weather: Sunny

Sample Depth:

Barometric Pres.:

Air Temp.(°F): 50s

Wind: lt breeze

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York	Routine Parameters	Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-2
Well ID: MW-2
Project Name: D.C. Bakfill
Sample Location: Quarterly

Sample Time: 1443
Sample Date: 3/28/12
Sample Tech(s): ORLOWSKI
Project and Task #:
Project Manager: RUM

Sample Matrix *(circle)*: **Groundwater** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good - new lock installed

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC - PVC
Depth to Bottom: 19.54
Depth to Water: 7.95
Water Column Height: *(A)* 11.59
(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

(B)

Pipe Width	Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 3/28/12
Start Time: 1426
Stop Time: 1441
Purge Rate (gpm):
Elapsed Time (min): 20
Well Vol. Purged (#): ~1
Purge Vol. (gal): ~1.0
Well went dry? No / Yes
Conditions: No Odor / Clear / Odor / Slightly-Turbid / Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (mS/cm^c)	Cond. (mS/cm)	Resist (ohm*cm)	TDS (g/L)	Sal (mV)	DO (mg/L)	pH	ORP (mV)	
	1421	7.95	12.02	0.585	0.440		0.379		5.16	6.29	-27.5	
	1426	7.98	11.64	0.556	0.414		0.361		0.91	6.02	-19.4	
	1431	7.99	11.16	0.542	0.398		0.352		0.30	5.98	-16.5	
	1436	7.99	11.18	0.539	0.397		0.350		0.27	5.98	-17.6	
	1441	8.00	11.23	0.539	0.397		0.350		0.20	5.97	-17.4	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** / Composite
Weather: Sunny
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 50s
Wind: lt breeze

Notes: Well redeveloped in the morning for +/- 30 min - about 2.5 gal. purged

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Routine Parameters
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-35
Well ID: MW-35
Project Name: DC Landfill
Sample Location: Quarterly

Sample Time: 1116
Sample Date: 3/28/12
Sample Tech(s): ORLOWSKI
Project and Task #:
Project Manager: RUM

Sample Matrix *(circle)*: **Groundwater** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good - new 3303 lock installed
Lock Type: ~~KEY~~ MASTER
Key #: ~~NA~~ 3303

PURGE DATA:

Measuring Point: TOGUARD PIPE
Depth to Bottom: 17.60
Depth to Water: 7.58
Water Column Height: **(A)** 10.02
(depth to bottom - depth to water)
# of Volumes to be Purged: **(C)**
Gal. to be Purged: **(AxBxC)**

Pipe Width	Gal/Foot **(B)**
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Low Flow-Peristaltic
Start Date: 3/28/2012
Start Time: 1059
Stop Time: 1114
Purge Rate (gpm):
Elapsed Time (min): 15
Well Vol. Purged (#): <1
Purge Vol. (gal): ~0.8
Well went dry? (No) Yes
Conditions: (No Odor) Odor / (Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (mS/cm°)	Cond. (mS/cm)	Resist (ohm*cm)	TDS (g/L)	Sal (mV)	DO (mg/L)	pH	ORP (mV)	
	1059	7.58	10.15	1.374	0.983		0.892		1.77	5.09	155.0	
	1104	8.01	10.03	1.355	0.968		0.881		0.67	4.98	154.3	
	1109	8.05	9.60	1.350	0.953		0.877		0.56	4.96	153.9	
	1114	8.06	9.35	1.348	0.948		0.876		0.52	5.32	154.4	

SAMPLE INFORMATION:

Sample Method: LOW FLOW *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: overcast, rain
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 40s
Wind: breezy

Notes: Well redeveloped ~1 hr prior to sampling, about 1.5 gal removed in +/- ~5 min.

LAB REQUESTS:

Laboratory Name: YORK
Analysis/Method: ROUTINE PARS.
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	DCB-MW-1S	Sample Time:	1118	Sample Matrix *(circle)*:	
Well ID:	MW-1S	Sample Date:	6/12/2012	***Groundwater***	Soil
Project Name:	DC Backfill	Sample Tech(s):	ORLOWSKI	Surface Water	Air
Sample Location:	Quarterly	Project and Task #:	81030.00	Drinking Water	Other:
		Project Manager:	RUM		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC

Depth to Bottom:

Depth to Water: 10.11

Water Column Height: ***(A)*** *(depth to bottom - depth to water)*

# of Volumes to be Purged: ***(C)***

Gal. to be Purged: ***(AxBxC)***

Pipe Width	Gal/Foot ***(B)***
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow

Start Date: 6/12/2012

Start Time: 1101

Stop Time: 1116

Purge Rate (gpm):

Elapsed Time (min): 15

Well Vol. Purged (#): <1

Purge Vol. (gal): ~0.8

Well went dry? No Yes

Conditions: No Odor / Odor; Clear / Slightly-Turbid / Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (mS/cm^c)	Cond. (mS/cm)	Resist (ohm*cm)	TDS (g/L)	Sal (mV)	DO (mg/L)	pH	ORP (mV)	Turbidity
	1101	10.11	13.62	0.696	0.545		0.452		0.90	6.68	12.8	Turbid
	1106	11.81	13.36	0.700	0.544		0.455		0.68	5.32	20.4	slight
	1111	13.18	12.66	0.706	0.540		0.459		0.63	5.26	15.5	slight
	1116	14.78	12.64	0.707	0.540		0.460		0.65	5.55	15.6	clear

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: ***Grab*** Composite

Weather: cloudy, humid

Sample Depth:

Barometric Pres.:

Air Temp.(°F): 70s

Wind: lt breeze

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York	Part 360 Baseline	Std
	Turbidity	

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-2
Well ID: MW-2
Project Name: DC Batefill
Sample Location: Quarterly

Sample Time: 1235
Sample Date: 6/12/2012
Sample Tech(s): ORLOWSKI
Project and Task #: 81036.00
Project Manager: RUM

Sample Matrix *(circle)*: **Groundwater** Soil Surface Water Air Drinking Water Other:

WELL INFORMATION:

Well Condition: Good
Lock Type: Master
Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC
Depth to Bottom:
Depth to Water: 8.10
Water Column Height: ***(A)***
(depth to bottom - depth to water)
# of Volumes to be Purged: ***(C)***
Gal. to be Purged: ***(AxBxC)***

Pipe Width	***(B)*** Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 6/12/2012
Start Time: 1208
Stop Time: 1233
Purge Rate (gpm):
Elapsed Time (min): 25
Well Vol. Purged (#): 2
Purge Vol. (gal): ~1.3
Well went dry? No Yes
Conditions: No Odor Odor; Clear Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm^c	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1208	8.10	15.97	0.596	0.492		0.387		0.75	6.28	-41.1	
	1213	8.12	15.17	0.591	0.480		0.384		0.53	6.04	-31.9	
	1218	8.12	14.51	0.589	0.471		0.383		0.35	5.94	-26.2	
	1223	8.12	14.46	0.587	0.469		0.382		0.28	5.95	-26.8	
	1228	8.12	14.47	0.584	0.467		0.380		0.25	5.97	-28.4	
	1233	8.12	14.47	0.583	0.467		0.379		0.23	5.96	-28.7	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: cloudy
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 70s
Wind: lt breeze
Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Part 360 Baseline; Turbidity
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

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FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	DCB-MW-35	Sample Time:	1333	Sample Matrix *(circle)*:	
Well ID:	MW-35	Sample Date:	6/12/2012	**Groundwater**	Soil
Project Name:	DC Bakelite	Sample Tech(s):	GROUSKI	Surface Water	Air
Sample Location:	Quarterly	Project and Task #:	81030.00	Drinking Water	Other:
		Project Manager:	RUM		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC

Depth to Bottom:

Depth to Water: 6.88

Water Column Height: *(A)*

(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	Gal/Foot *(B)*
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: ~~Peristaltic~~ Low Flow

Start Date: ~~6/12/2012~~

Start Time: 1301

Stop Time: 1331

Purge Rate (gpm):

Elapsed Time (min): 30

Well Vol. Purged (#): 21

Purge Vol. (gal): ~1.5

Well went dry? (No) Yes

Conditions: (No Odor) Odor

(Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged (gal)	Date & Time	Depth to Water (ft)	Temp (deg C)	SpCond (mS/cm^c)	Cond. (mS/cm)	Resist (ohm*cm)	TDS (g/L)	Sal (mV)	DO (mg/L)	pH	ORP (mV)
	1301	6.88	14.87	1.433	1.155		0.931		0.73	6.43	-10.4
	1306	7.17	14.65	1.499	1.183		0.962		0.43	6.20	14.1
	1311	7.39	13.87	1.501	1.182		0.964		0.19	6.17	6.1
	1316	7.80	14.22	1.564	1.233		1.001		0.18	6.24	0.8
	1321	8.04	14.26	1.610	1.260		1.029		0.22	6.30	-7.0
	1326	8.96	14.29	1.635	1.282		1.041		0.25	6.32	-8.6
	1331	9.41	14.29	1.644	1.294		1.048		0.27	6.33	-8.1

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: **Grab** Composite

Weather: cloudy, lt rain

Sample Depth:

Barometric Pres.:

Air Temp.(°F): 70s

Wind: lt breeze

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York	Part 360 Baseline	Std
	Turbidity	

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-1S
Well ID: MW-1S
Project Name: D.C. Rolefill
Sample Location: Quarterly

Sample Time: 1315
Sample Date: 10/1/2012
Sample Tech(s): ORLOWSKI
Project and Task #: B1030.00
Project Manager: Urban-Mead

Sample Matrix *(circle)*: ***Groundwater*** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC
Depth to Bottom: 25.75
Depth to Water: 9.52
Water Column Height: ***(A)*** 16.23
(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

Gal. to be Purged: ***(AxBxC)***

Pipe Width	Gal/Foot ***(B)***
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 10/1/2012
Start Time: 1254
Stop Time: 1314
Purge Rate (gpm): ~0.05
Elapsed Time (min): 20
Well Vol. Purged (#): <1
Purge Vol. (gal): ~1.0
Well went dry? No Yes
Conditions: No Odor / Odor; Clear / Slightly-Turbid / Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm^c	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1254	9.52	14.45	0.702	0.556		0.456		1.16	6.01	-18.1	
	1259	12.03	13.60	0.703	0.550		0.457		0.82	5.44	25.1	
	1304	13.40	13.34	0.704	0.547		0.457		0.64	5.25	50.5	
	1309	15.21	13.40	0.703	0.547		0.457		0.52	5.38	55.5	
	1314	17.03	13.52	0.703	0.549		0.457		0.47	5.60	50.6	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: ***Grab*** Composite
Weather: partly sunny
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 60ish
Wind: breezy
Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Routine Pars.
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-2
Well ID: MW-2
Project Name: D.C. Baledfill
Sample Location: Quarterly

Sample Time: 1513
Sample Date: 10/1/2012
Sample Tech(s): ORLOWSKI
Project and Task #: 81030.00
Project Manager: Urban-Mead

Sample Matrix *(circle)*: **Groundwater** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good

Lock Type: [redacted] Master Key #: [redacted] 3303

PURGE DATA:

Measuring Point: TOC-PVC
Depth to Bottom: 19.54
Depth to Water: 7.90
Water Column Height: *(A)* 11.64
(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	Gal/Foot *(B)*
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 10/1/2012
Start Time: 1352
Stop Time: 1512
Purge Rate (gpm): ~0.05
Elapsed Time (min): 20
Well Vol. Purged (#): <1
Purge Vol. (gal): ~1.0
Well went dry? (No) Yes
Conditions: (No Odor) Odor - sulfur
(Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm^c	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1452	7.90	17.75	0.697	0.599		0.452		3.13	6.31	-147.4	
	1457	7.92	17.00	0.683	0.579		0.444		0.32	5.82	-110.1	
	1502	7.92	17.20	0.682	0.580		0.443		0.18	5.37	-70.5	
	1507	7.92	17.24	0.681	0.580		0.443		0.27	5.67	-91.7	
	1512	7.92	17.24	0.689	0.587		0.448		0.36	5.78	-84.0	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: partly cloudy
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 60s
Wind: breezy
Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Routine Pars.
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-3S
Well ID: MW-3S
Project Name: D.C. Bakefill
Sample Location: Quarterly

Sample Time: 1550
Sample Date: 10/1/2012
Sample Tech(s): CRLOWSKI
Project and Task #: 81030.00
Project Manager: Urban-Mead

Sample Matrix *(circle)*: **Groundwater** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good

Lock Type: ~~Key~~ Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC
Depth to Bottom: 17.60
Depth to Water: 6.42
Water Column Height: *(A)* 11.18
(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	*(B)* Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic-Low Flow
Start Date: 10/1/2012
Start Time: 1529
Stop Time: 1549
Purge Rate (gpm): ~0.05
Elapsed Time (min): 20
Well Vol. Purged (#): <1
Purge Vol. (gal): ~1.0
Well went dry? (No) Yes
Conditions: No Odor (Odor - sulfur)
(Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm°	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1529	6.42	16.86	1.496	1.263		0.972		4.45	6.27	-77.7	
	1534	6.80	16.70	1.488	1.251		0.966		0.55	6.03	-77.1	
	1539	6.89	16.56	1.387	1.163		0.901		0.44	5.72	-40.0	
	1544	6.90	16.80	1.364	1.150		0.886		0.52	5.83	-33.5	
	1549	6.90	17.01	1.344	1.139		0.873		0.56	5.94	-37.3	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: partly cloudy
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 60s
Wind: breezy

Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Routine Pars
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-13
Well ID: MW-13
Project Name: DC Balefill
Sample Location: Quarterly

Sample Time: 1551
Sample Date: 12/5/12
Sample Tech(s): ORLOWSKI
Project and Task #: 80130.00
Project Manager: RLM

Sample Matrix *(circle)*: **Groundwater** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC-PVC
Depth to Bottom: 25.75
Depth to Water: 10.01
Water Column Height: *(A)* 15.74
(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

(B) Pipe Width	Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 12/5/2012
Start Time: 1530
Stop Time: 1550
Purge Rate (gpm): ~0.05
Elapsed Time (min): 20
Well Vol. Purged (#): <1
Purge Vol. (gal): ~1.0
Well went dry? (No) Yes
Conditions: (No Odor) Odor / Clear / Slightly-Turbid (Turbid)

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm^c	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1530	10.01	11.55	0.876	0.650		0.568		2.46	6.87	-66.7	
	1535	12.55	11.60	0.877	0.653		0.570		0.29	6.65	-41.5	
	1540	13.16	11.66	0.879	0.655		0.571		0.49	6.58	-17.2	
	1545	15.90	11.69	0.880	0.656		0.571		0.64	6.55	7.6	
	1550	17.34	11.71	0.878	0.655		0.570		0.66	6.54	13.2	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: Mostly cloudy
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 50s
Wind: breezy
Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Routine
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID: DCB-MW-2
Well ID: MW-2
Project Name: DC Bakehill
Sample Location: Quarterly

Sample Time: 1400
Sample Date: 12/5/2012
Sample Tech(s): ORLOWSKI
Project and Task #: 80130.00
Project Manager: RUM

Sample Matrix *(circle)*: **Groundwater** Soil / Surface Water Air / Drinking Water Other:

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC - PVC
Depth to Bottom: 19.54
Depth to Water: 8.07
Water Column Height: ***(A)*** 11.47
(depth to bottom - depth to water)

# of Volumes to be Purged: ***(C)***

Gal. to be Purged: ***(AxBxC)***

(B)

Pipe Width	Gal/Foot
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow
Start Date: 12/5/2012
Start Time: 1344
Stop Time: 1359
Purge Rate (gpm): ~0.25
Elapsed Time (min): 15
Well Vol. Purged (#): 21
Purge Vol. (gal): ~0.8
Well went dry? (No) Yes
Conditions: (No Odor) Odor
(Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm°	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1344	8.07	12.22	0.923	0.698		0.600		8.45	5.66	-14.5	
	1349	8.11	12.40	0.937	0.711		0.609		1.12	5.69	-12.6	
	1354	8.11	12.15	0.942	0.711		0.612		0.52	5.70	-12.1	
	1359	8.11	11.95	0.942	0.707		0.613		0.40	5.71	-12.3	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: mostly sunny
Sample Depth:
Barometric Pres.:
Air Temp.(°F): 50s
Wind: breezy
Notes:

LAB REQUESTS:

Laboratory Name: York
Analysis/Method: Routine
Turn Around Time: Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

The Chazen Companies

FIELD DATA SHEET

SAMPLE INFORMATION:

Sample ID:	DCR-MW-33	Sample Time:	1457	Sample Matrix *(circle)*:	
Well ID:	MW-33	Sample Date:	12/5/2012	**Groundwater**	Soil
Project Name:	DC Landfill	Sample Tech(s):	ORLOWSKI	Surface Water	Air
Sample Location:	Quarterly	Project and Task #:	80130.00	Drinking Water	Other:
		Project Manager:	RUM		

WELL INFORMATION:

Well Condition: Good

Lock Type: Master Key #: 3303

PURGE DATA:

Measuring Point: TOC - PVC

Depth to Bottom: 17.60

Depth to Water: ~~6.67~~ 6.67

Water Column Height: *(A)* ~~10.93~~ 10.93

(depth to bottom - depth to water)

# of Volumes to be Purged: *(C)*

Gal. to be Purged: *(AxBxC)*

Pipe Width	Gal/Foot *(B)*
1.0"	0.037
1.5"	0.092
2.0"	0.163
2.5"	0.255
3.0"	0.367
4.0"	0.653
6.0"	1.469
8.0"	2.611

Purge Method: Peristaltic - Low Flow

Start Date: 12/5/2012

Start Time: 1441

Stop Time: 1456

Purge Rate (gpm): ~0.05

Elapsed Time (min): 15

Well Vol. Purged (#): <1

Purge Vol. (gal): ~0.8

Well went dry? (No) Yes

Conditions: (No Odor) Odor

(Clear) Slightly-Turbid Turbid

FIELD RESULTS:

Gal purged	Date & Time	Depth to Water	Temp	SpCond	Cond.	Resist	TDS	Sal	DO	pH	ORP	
gal		ft	deg C	mS/cm°	mS/cm	ohm*cm	g/L	mV	mg/L		mV	
	1441	~~6.67~~	12.96	1.866	1.438		1.213		3.73	6.13	-20.4	
	1446	7.28	13.26	1.927	1.496		1.254		0.92	6.09	-20.5	
	1451	7.35	13.21	1.963	1.522		1.277		0.39	6.11	-23.4	
	1456	7.48	13.14	1.998	1.546		1.299		0.29	6.11	-21.9	

SAMPLE INFORMATION:

Sample Method: Peristaltic *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*

Sample Type: **Grab** Composite

Weather: mostly sunny

Sample Depth:

Barometric Pres.:

Air Temp.(°F): 50s

Wind: breezy

Notes:

LAB REQUESTS:

Laboratory Name:	Analysis/Method:	Turn Around Time:
York	Routine	Std

QA/QC: Duplicate Equip. Blank Field Blank Trip Blank

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 04/11/2012
Client Project ID: 81030.00 DC Balefill
York Project (SDG) No.: 12D0017

Report Date: 04/11/2012
Client Project ID: 81030.00 DC Balefill
York Project (SDG) No.: 12D0017

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 30, 2012 and listed below. The project was identified as your project: **81030.00 DC Balefill**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12D0017-01	DCB-MW-1S	Water	03/30/2012	03/30/2012

General Notes for York Project (SDG) No.: 12D0017

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 04/11/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12D0017-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12D0017	81030.00 DC Balefill	Water	March 30, 2012 11:49 am	03/30/2012

Cadmium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Calcium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**99.3**		mg/L	0.00920	0.0200	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Iron by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.68**		mg/L	0.00550	0.0100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Lead by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Magnesium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**30.9**		mg/L	0.00840	0.0200	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Manganese by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.303**		mg/L	0.00100	0.00500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Potassium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**1.83**		mg/L	0.0255	0.0500	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Sodium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**10.0**		mg/L	0.0663	0.100	1	EPA SW846-6010B	04/02/2012 16:18	04/02/2012 22:42	MW

Total Dissolved Solids

Log-in Notes: Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**348**		mg/L	1.00	1.00	1	SM 2540C	04/05/2012 12:43	04/05/2012 12:43	AA

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12D0017-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12D0017	81030.00 DC Balefill	Water	March 30, 2012 11:49 am	03/30/2012

Bromide

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		mg/L	0.0330	0.200	1	EPA Method 300.0	04/02/2012 15:21	04/02/2012 15:21	AD

Chloride

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**2.47**		mg/L	0.0690	0.500	1	EPA Method 300.0	04/02/2012 15:21	04/02/2012 15:21	AD

Nitrate (as N)

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-53-8	Nitrate as N	ND	HT-01	mg/L	0.0120	0.0500	1	EPA 300	03/30/2012 16:23	04/02/2012 15:21	AD

Sulfate as SO4

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**66.9**		mg/L	0.860	10.0	10	EPA Method 300.0	04/10/2012 07:18	04/10/2012 07:18	AMC

Alkalinity, Total

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**280**		mg/L	0.90	2.0	1	SM 2320B	04/03/2012 12:03	04/03/2012 12:03	SC

Ammonia (as N)

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**0.520**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	04/03/2012 15:45	04/09/2012 16:33	ASG

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**94**		mg/L	1.0	1.0	1	SM 5210 B	03/30/2012 12:07	04/04/2012 14:12	SC

Chemical Oxygen Demand (COD)

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**120**		mg/L	10	10	1	SM 5220 B	04/05/2012 12:29	04/05/2012 12:29	AA

Hardness, total (as CaCO3)

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**375**		mg/L	1.00	1.00	1	EPA 200.7	04/02/2012 16:18	04/02/2012 22:42	MW

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12D0017-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12D0017	81030.00 DC Balefill	Water	March 30, 2012 11:49 am	03/30/2012

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	04/04/2012 12:49	04/04/2012 12:49	SC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**3.40**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	04/03/2012 15:40	04/03/2012 15:51	ASG

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	ND		mg/L	1.00	1.00	1	SM 5310C	04/02/2012 09:09	04/02/2012 16:38	AMC

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ANALYTICAL LABORATORIES, INC.

Notes and Definitions

HT-01 This result was reported from an analysis conducted outside of the EPA recommended holding time.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12D0017

YOUR Information	**Report To:**	**Invoice To:**	**YOUR Project ID**	**Turn-Around Time**	**Report Type/Deliverbles**
Company: CHAZEN	Company: CHAZEN	Company: CHAZEN	81030.00 DC Landfill	RUSH - Same Day ☐	Summary Report ✓
Address:	Address:	Address:	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary ☐
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package ☐
Contact Person: ERIC ORLOWSKI	Attention:	Attention: ACCTS PAYABLE		RUSH - Three Day ☐	NY ASP A Package ☐
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY___ NJ___	RUSH - Four Day ☐	NY ASP B Package ☐
				Standard(5-7 Days) ✓	***Electronic Deliverables:*** EDD (Specify Type) ☐ Excel ☐

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

ERIC ORLOWSKI
Name (printed)

Matrix Codes	
S -	soil
Other -	specify(oil, etc.)
WW -	wastewater
GW -	groundwater
DW -	drinking water
Air-A -	ambient air
Air-SV -	soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Chlorine Pesticides	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
DCB-MW-1S	3/30/2012 1149	GW	ROUTINE PARAMETERS (PART 360) + TURBIDITY	VARIOUS
			* NOTE: THIS SAMPLE REPLACES THE SAMPLE FROM 3/28/12 WITH THE SAME ID. PLEASE DO NOT ANALYZE THE 3/28/12 SAMPLE. THANK YOU! *	

Comments

Preservation Check those Applicable: 4°C ✓ Frozen ___ HCl ___ MeOH ___ HNO_3 ✓ H_2SO_4 ✓ NaOH ___ ZnAc ___ Ascorbic Acid ___ Others

	Date/Time		Date/Time
Samples Relinquished By	3/30/12 1235	Samples Received By	3-30-12 1235
Samples Relinquished By		Samples Received in LAB by	3/30/12-1700

Temperature on Receipt 4.1 °C

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 04/09/2012
Client Project ID: 81030.00 Dutchess G. Balefill
York Project (SDG) No.: 12C1031

Report Date: 04/09/2012
Client Project ID: 81030.00 Dutchess G. Balefill
York Project (SDG) No.: 12C1031

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 29, 2012 and listed below. The project was identified as your project: **81030.00 Dutchess G. Balefill**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12C1031-02	DCB-MW-2	Water	03/28/2012	03/29/2012
12C1031-03	DCB-MW-3	Water	03/28/2012	03/29/2012

General Notes for York Project (SDG) No.: 12C1031

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 04/09/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12C1031-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 2:43 pm	03/29/2012

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**47.5**		mg/L	0.00920	0.0200	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**47.8**		mg/L	0.00550	0.0100	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**12.4**		mg/L	0.00840	0.0200	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**11.4**		mg/L	0.00100	0.00500	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**3.21**		mg/L	0.0255	0.0500	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**9.52**		mg/L	0.0663	0.100	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:40	MW

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**237**		mg/L	1.00	1.00	1	SM 2540C	04/03/2012 13:20	04/03/2012 13:20	AMC

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12C1031-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 2:43 pm	03/29/2012

Turbidity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**165**		NTU	0.00	0.00	1	EPA 180.1	03/30/2012 08:42	03/30/2012 08:42	AD

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		mg/L	0.0330	0.200	1	EPA Method 300.0	03/30/2012 01:25	03/30/2012 01:25	AMC

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**10.8**		mg/L	0.0690	0.500	1	EPA Method 300.0	03/30/2012 01:25	03/30/2012 01:25	AMC

Nitrate (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-53-8	**Nitrate as N**	**0.219**		mg/L	0.0120	0.0500	1	EPA 300	03/30/2012 01:25	03/30/2012 01:25	AMC

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	0.0860	1.00	1	EPA Method 300.0	03/30/2012 01:25	03/30/2012 01:25	AMC

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**200**		mg/L	0.90	2.0	1	SM 2320B	04/03/2012 12:03	04/03/2012 12:03	SC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**1.90**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	03/30/2012 16:18	04/09/2012 11:46	ASG

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**22**		mg/L	1.0	1.0	1	SM 5210 B	03/30/2012 12:07	04/04/2012 14:12	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**50**		mg/L	10	10	1	SM 5220 B	04/05/2012 12:29	04/05/2012 12:29	AA

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12C1031-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 2:43 pm	03/29/2012

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**170**		mg/L	1.00	1.00	1	EPA 200.7	04/02/2012 16:14	04/02/2012 18:40	MW

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	04/04/2012 12:49	04/04/2012 12:49	SC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**3.60**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	03/30/2012 16:14	04/09/2012 11:52	ASG

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.46**		mg/L	1.00	1.00	1	SM 5310C	04/02/2012 09:09	04/02/2012 16:38	AMC

Sample Information

Client Sample ID: DCB-MW-3 **York Sample ID:** 12C1031-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 11:16 am	03/29/2012

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00100	0.00300	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**195**		mg/L	0.00920	0.0200	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.54**		mg/L	0.00550	0.0100	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-3 **York Sample ID:** 12C1031-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 11:16 am	03/29/2012

Lead by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00120	0.00300	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Magnesium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**49.8**		mg/L	0.00840	0.0200	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Manganese by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**21.5**		mg/L	0.00100	0.00500	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Potassium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**12.0**		mg/L	0.0255	0.0500	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Sodium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**16.5**		mg/L	0.0663	0.100	1	EPA SW846-6010B	04/02/2012 16:14	04/02/2012 18:45	MW

Total Dissolved Solids

Log-in Notes: Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**826**		mg/L	1.00	1.00	1	SM 2540C	04/03/2012 13:20	04/03/2012 13:20	AMC

Turbidity

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**17.0**		NTU	0.00	0.00	1	EPA 180.1	03/30/2012 08:42	03/30/2012 08:42	AD

Bromide

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	**Bromide**	**0.461**		mg/L	0.0330	0.200	1	EPA Method 300.0	03/30/2012 01:41	03/30/2012 01:41	AMC

Chloride

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**19.1**		mg/L	0.0690	0.500	1	EPA Method 300.0	03/30/2012 01:41	03/30/2012 01:41	AMC

Sample Information

Client Sample ID: DCB-MW-3 **York Sample ID:** 12C1031-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 11:16 am	03/29/2012

Nitrate (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-53-8	**Nitrate as N**	**0.170**		mg/L	0.0120	0.0500	1	EPA 300	03/30/2012 01:41	03/30/2012 01:41	AMC

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**96.7**		mg/L	0.0860	1.00	1	EPA Method 300.0	03/30/2012 01:41	03/30/2012 01:41	AMC

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**630**		mg/L	0.90	2.0	1	SM 2320B	04/03/2012 12:03	04/03/2012 12:03	SC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**2.10**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	03/30/2012 16:18	04/09/2012 11:46	ASG

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**24**		mg/L	1.0	1.0	1	SM 5210 B	03/30/2012 12:07	04/04/2012 14:12	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**91**		mg/L	10	10	1	SM 5220 B	04/05/2012 12:29	04/05/2012 12:29	AA

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**692**		mg/L	1.00	1.00	1	EPA 200.7	04/02/2012 16:14	04/02/2012 18:45	MW

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	04/04/2012 12:49	04/04/2012 12:49	SC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**4.40**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	03/30/2012 16:14	04/09/2012 11:52	ASG

Sample Information

Client Sample ID: DCB-MW-3 **York Sample ID:** 12C1031-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C1031	81030.00 Dutchess G. Balefill	Water	March 28, 2012 11:16 am	03/29/2012

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**5.74**		mg/L	1.00	1.00	1	SM 5310C	04/02/2012 09:09	04/02/2012 16:38	AMC

Analytical Batch Summary

Batch ID: BC21207 **Preparation Method:** EPA 300 **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	03/30/12
12C1031-03	DCB-MW-3	03/30/12
BC21207-BLK1	Blank	03/29/12
BC21207-BS1	LCS	03/30/12
BC21207-SRM1	Reference	03/29/12

Batch ID: BC21248 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	03/30/12
12C1031-03	DCB-MW-3	03/30/12
BC21248-BLK1	Blank	03/30/12

Batch ID: BC21266 **Preparation Method:** Analysis Preparation **Prepared By:** ASG

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	03/30/12
12C1031-03	DCB-MW-3	03/30/12
BC21266-BLK1	Blank	03/30/12
BC21266-BS1	LCS	03/30/12
BC21266-DUP1	Duplicate	03/30/12
BC21266-MS1	Matrix Spike	03/30/12

Batch ID: BC21267 **Preparation Method:** Analysis Prep for SAA **Prepared By:** ASG

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	03/30/12
12C1031-03	DCB-MW-3	03/30/12
BC21267-BLK1	Blank	03/30/12
BC21267-BS1	LCS	03/30/12
BC21267-DUP1	Duplicate	03/30/12
BC21267-MS1	Matrix Spike	03/30/12

Batch ID: BD20011 **Preparation Method:** % Solids Prep **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	04/03/12
12C1031-03	DCB-MW-3	04/03/12
BD20011-BLK1	Blank	04/03/12

Batch ID: BD20015 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	04/02/12
12C1031-03	DCB-MW-3	04/02/12

BD20015-BLK1	Blank	04/02/12
BD20015-BS1	LCS	04/02/12

Batch ID: BD20031 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	04/03/12
12C1031-03	DCB-MW-3	04/03/12
BD20031-BLK1	Blank	04/03/12

Batch ID: BD20058 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	04/02/12
12C1031-02	DCB-MW-2	04/02/12
12C1031-03	DCB-MW-3	04/02/12
12C1031-03	DCB-MW-3	04/02/12
BD20058-BLK1	Blank	04/02/12
BD20058-BLK1	Blank	04/02/12
BD20058-SRM1	Reference	04/02/12
BD20058-SRM2	Reference	04/02/12

Batch ID: BD20098 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	03/30/12
12C1031-03	DCB-MW-3	03/30/12
BD20098-BLK1	Blank	03/30/12
BD20098-DUP1	Duplicate	03/30/12
BD20098-SRM1	Reference	03/30/12

Batch ID: BD20138 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	04/04/12
12C1031-03	DCB-MW-3	04/04/12
BD20138-BLK1	Blank	04/04/12
BD20138-BS1	LCS	04/04/12

Batch ID: BD20191 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12C1031-02	DCB-MW-2	04/05/12
12C1031-03	DCB-MW-3	04/05/12
BD20191-BLK1	Blank	04/05/12
BD20191-BS1	LCS	04/05/12
BD20191-DUP1	Duplicate	04/05/12
BD20191-MS1	Matrix Spike	04/05/12

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20058 - EPA 3010A											
Blank (BD20058-BLK1)										Prepared & Analyzed: 04/02/2012	
Cadmium	ND	0.00300	mg/L								
Calcium	ND	0.0200	"								
Iron	ND	0.0100	"								
Lead	ND	0.00300	"								
Magnesium	ND	0.0200	"								
Manganese	ND	0.00500	"								
Potassium	ND	0.0500	"								
Sodium	ND	0.100	"								
Reference (BD20058-SRM1)										Prepared & Analyzed: 04/02/2012	
Cadmium	0.581	0.00300	mg/L	0.554		105	85.4-114				
Iron	0.664	0.0100	"	0.589		113	87.9-113				
Lead	0.874	0.00300	"	0.821		106	87.6-112				
Manganese	0.302	0.00500	"	0.280		108	89.3-111				
Reference (BD20058-SRM2)										Prepared & Analyzed: 04/02/2012	
Calcium	25.5	0.0200	mg/L	25.3		101	86.2-114				
Magnesium	13.3	0.0200	"	13.5		98.7	85.9-114				
Potassium	19.4	0.0500	"	19.1		102	84.8-115				
Sodium	52.7	0.100	"	53.2		99.1	85-115				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20011 - % Solids Prep											
Blank (BD20011-BLK1)								Prepared & Analyzed: 04/03/2012			
Total Dissolved Solids	ND	1.00	mg/L								
Batch BD20098 - Analysis Preparation											
Blank (BD20098-BLK1)								Prepared & Analyzed: 03/30/2012			
Turbidity	ND	0.00	NTU								
Duplicate (BD20098-DUP1)	*Source sample: 12C1031-02 (DCB-MW-2)							Prepared & Analyzed: 03/30/2012			
Turbidity	165	0.00	NTU		165				0.00	15	
Reference (BD20098-SRM1)								Prepared & Analyzed: 03/30/2012			
Turbidity	35.5		NTU	40.0		88.8	87.5-113				

Anions by EPA Method 300.0 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21207 - EPA 300											
Blank (BC21207-BLK1)									Prepared & Analyzed: 03/29/2012		
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Bromide	ND	0.200	"								
Sulfate	ND	1.00	"								
LCS (BC21207-BS1)									Prepared & Analyzed: 03/30/2012		
Chloride	11.3	0.500	mg/L	10.0		113	85-115				
Sulfate	10.2	1.00	"	10.0		102	85-115				
Nitrate as N	11.0	0.0500	"	10.0		110	90-110				
Bromide	10.7	0.200	"	10.0		107	85-115				
Reference (BC21207-SRM1)									Prepared & Analyzed: 03/29/2012		
Chloride	4.52		mg/L	4.12		110	90-110				
Nitrate as N	7.95		"	7.45		107	90-110				
Bromide	15.1		"	14.1		107	90-110				
Sulfate	13.9		"	12.9		108	90-110				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21248 - Analysis Preparation											
Blank (BC21248-BLK1)								Prepared: 03/30/2012 Analyzed: 04/04/2012			
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
Batch BC21266 - Analysis Preparation											
Blank (BC21266-BLK1)								Prepared: 03/30/2012 Analyzed: 04/09/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L								
LCS (BC21266-BS1)								Prepared: 03/30/2012 Analyzed: 04/09/2012			
Total Kjeldahl Nitrogen	10.4	0.100	mg/L	10.0		104	80-120				
Duplicate (BC21266-DUP1)	*Source sample: 12C1031-03 (DCB-MW-3)							Prepared: 03/30/2012 Analyzed: 04/09/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L		4.40					20	
Matrix Spike (BC21266-MS1)	*Source sample: 12C1031-03 (DCB-MW-3)							Prepared: 03/30/2012 Analyzed: 04/09/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L	10.0	4.40	NR	75-125	Low Bias			
Batch BC21267 - Analysis Prep for SAA											
Blank (BC21267-BLK1)								Prepared: 03/30/2012 Analyzed: 04/09/2012			
Ammonia Nitrogen as N	ND	0.0500	mg/L								
LCS (BC21267-BS1)								Prepared: 03/30/2012 Analyzed: 04/09/2012			
Ammonia Nitrogen as N	9.40	0.0500	mg/L	10.0		94.0	85-115				
Duplicate (BC21267-DUP1)	*Source sample: 12C1031-03 (DCB-MW-3)							Prepared: 03/30/2012 Analyzed: 04/09/2012			
Ammonia Nitrogen as N	1.80	0.0500	mg/L		2.10				15.4	200	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC21267 - Analysis Prep for SAA											
Matrix Spike (BC21267-MS1)	*Source sample: 12C1031-03 (DCB-MW-3)								Prepared: 03/30/2012 Analyzed: 04/09/2012		
Ammonia Nitrogen as N	12.0	0.0500	mg/L	10.0	2.10	99.0	80-120				
Batch BD20015 - Analysis Preparation											
Blank (BD20015-BLK1)									Prepared & Analyzed: 04/02/2012		
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BD20015-BS1)									Prepared & Analyzed: 04/02/2012		
Total Organic Carbon (TOC)	48.0		mg/L	45.9		104	79.5-125.1				
Batch BD20031 - Analysis Preparation											
Blank (BD20031-BLK1)									Prepared & Analyzed: 04/03/2012		
Alkalinity, total	ND	2.0	mg/L								
Batch BD20058 - EPA 3010A											
Blank (BD20058-BLK1)									Prepared & Analyzed: 04/02/2012		
Hardness, Total	ND	1.00	mg/L								
Batch BD20138 - Analysis Preparation											
Blank (BD20138-BLK1)									Prepared & Analyzed: 04/04/2012		
Phenols, total	ND	0.0500	mg/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20138 - Analysis Preparation											
LCS (BD20138-BS1)								Prepared & Analyzed: 04/04/2012			
Phenols, total	2.07	0.0500	mg/L	3.00		69.0	67-116				
Batch BD20191 - Analysis Preparation											
Blank (BD20191-BLK1)								Prepared & Analyzed: 04/05/2012			
Chemical Oxygen Demand (COD)	ND	10	mg/L								
LCS (BD20191-BS1)								Prepared & Analyzed: 04/05/2012			
Chemical Oxygen Demand (COD)	110	10	mg/L	100		108	79-128				
Duplicate (BD20191-DUP1)	*Source sample: 12C1031-02 (DCB-MW-2)							Prepared & Analyzed: 04/05/2012			
Chemical Oxygen Demand (COD)	55	10	mg/L		50				9.11	20	
Matrix Spike (BD20191-MS1)	*Source sample: 12C1031-02 (DCB-MW-2)							Prepared & Analyzed: 04/05/2012			
Chemical Oxygen Demand (COD)	150	10	mg/L	100	50	95.4	73.3-123				

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ANALYTICAL LABORATORIES, INC.

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12C1031

YOUR Information	**Report To:**	**Invoice To:**
Company: CHAZEN	Company: CHAZEN	Company: CHAZEN
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person: ERIC ORLOWSKI	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID
81030.00
Dutchess Co. Balefill

Purchase Order No.
P13487

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ✓

Report Type/Deliverbles
- Summary Report ✓
- Summary w/ QA Summary
- CT RCP Package
- NY ASP A Package
- NY ASP B Package
- *Electronic Deliverables:*
- EDD (Specify Type)
- Excel

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Eric Orlowski
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
DCB-MW-1S	3/28/2012 1640	GW	ROUTINE PARAMETERS (PART 360) + TURBIDITY	VARIOUS
DCB-MW-2	1443			
DCB-MW-3	1116			
			* PLEASE ALSO ANALYZE DISSOLVED METALS ON DCB-MW-1S ONLY - THANK YOU! *	

Comments

Preservation Check those Applicable: 4°C ✓ Frozen ___ HCl ___ MeOH ___ HNO_3 ✓ H_2SO_4 ✓ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Will Olsen 3-29-12 8:55
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Chris C 3-29-12 9:55
Samples Received By Date/Time

[illegible] 3/29/12-1530
Samples Received in LAB by Date/Time

Temperature on Receipt 4.2 °C

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

DATE: 3/30/12

Telephone Contact Summary

Client Chevron Project No. 120131

Contact Eric Orlosky Phone No. _____

FAX No. _____

Conversation Notes Sample -01 DCB MW-1-S
do not analyze; client is recollecting
the sample.

Action Required Cancel analyses on sample -01

cc: Log-in signed JM

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 06/21/2012
Client Project ID: 81030.00 D.C. Balefill
York Project (SDG) No.: 12F0523

Report Date: 06/21/2012
Client Project ID: 81030.00 D.C. Balefill
York Project (SDG) No.: 12F0523

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 15, 2012 and listed below. The project was identified as your project: **81030.00 D.C. Balefill**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12F0523-01	DCB-MW-1S	Water	06/12/2012	06/15/2012
12F0523-02	DCB-MW-2	Water	06/12/2012	06/15/2012
12F0523-03	DCB-MW-3S	Water	06/12/2012	06/15/2012

General Notes for York Project (SDG) No.: 12F0523

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 06/21/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: DCB-MW-1S

York Sample ID: 12F0523-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 11:18 am	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
78-93-3	2-Butanone	ND		ug/L	2.6	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
591-78-6	2-Hexanone	ND		ug/L	0.87	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	5.6	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
67-64-1	**Acetone**	**3.9**	J, B	ug/L	3.1	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
107-13-1	Acrylonitrile	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-15-0	Carbon disulfide	ND		ug/L	0.64	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS

Sample Information

Client Sample ID: **DCB-MW-1S** **York Sample ID:** **12F0523-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 11:18 am	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
74-88-4	Iodomethane	ND		ug/L	3.1	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-09-2	**Methylene chloride**	**4.4**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/L	0.66	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 16:32	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*119 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.4 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*81.2-127*

Aluminum, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.00700	0.0100	1	EPA SW846-6010B	06/18/2012 15:19	06/18/2012 18:58	MW

Boron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-42-8	**Boron**	**0.0101**		mg/L	0.00500	0.0100	1	EPA SW846-6010B	06/19/2012 09:21	06/19/2012 13:18	MW

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.00550	0.0100	1	EPA SW846-6010B	06/18/2012 15:19	06/18/2012 18:58	MW

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **DCB-MW-1S** **York Sample ID:** **12F0523-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 11:18 am	06/15/2012

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.726**		mg/L	0.00100	0.00500	1	EPA SW846-6010B	06/18/2012 15:19	06/18/2012 18:58	MW

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**49.7**		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-38-2	**Arsenic**	**0.025**		mg/L	0.001	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-39-3	**Barium**	**0.295**		mg/L	0.004	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-70-2	**Calcium**	**179**		mg/L	0.009	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-47-3	**Chromium**	**0.050**		mg/L	0.0009	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-48-4	**Cobalt**	**0.056**		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-50-8	**Copper**	**0.157**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7439-89-6	**Iron**	**94.8**		mg/L	0.006	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7439-92-1	**Lead**	**0.070**		mg/L	0.001	0.003	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7439-95-4	**Magnesium**	**65.8**		mg/L	0.008	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7439-96-5	**Manganese**	**4.26**		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-02-0	**Nickel**	**0.111**		mg/L	0.0008	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-09-7	**Potassium**	**8.33**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-23-5	**Sodium**	**11.6**		mg/L	0.066	0.100	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-62-2	**Vanadium**	**0.051**		mg/L	0.001	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW
7440-66-6	**Zinc**	**0.257**		mg/L	0.0009	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00004	0.0002	1	EPA SW846-7470/EPA 245.1	06/18/2012 17:23	06/18/2012 17:23	AA

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12F0523-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 11:18 am	06/15/2012

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**418**		mg/L	1.00	1.00	1	SM 2540C	06/19/2012 13:10	06/19/2012 13:10	AA

Turbidity

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**3450**		NTU	0.00	0.00	1000	EPA 180.1	06/15/2012 17:06	06/15/2012 17:06	AA

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		mg/L	0.0330	0.200	1	EPA Method 300.0	06/18/2012 18:55	06/18/2012 18:55	AMC

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**2.85**		mg/L	0.0690	0.500	1	EPA Method 300.0	06/18/2012 18:55	06/18/2012 18:55	AMC

Nitrate (as N)

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-53-8	**Nitrate as N**	**0.199**		mg/L	0.0120	0.0500	1	EPA 300	06/18/2012 14:42	06/18/2012 18:55	AMC

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**61.5**		mg/L	0.0860	1.00	1	EPA Method 300.0	06/18/2012 18:55	06/18/2012 18:55	AMC

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**370**		mg/L	0.90	2.0	1	SM 2320B	06/20/2012 14:47	06/20/2012 14:47	AMC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**0.0800**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	06/21/2012 09:24	06/21/2012 14:17	ASG

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	ND	HT-02	mg/L	1.0	1.0	1	SM 5210 B	06/15/2012 15:55	06/20/2012 13:07	SC

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12F0523-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 11:18 am	06/15/2012

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**160**		mg/L	10	10	1	SM 5220 B	06/19/2012 14:59	06/19/2012 14:59	AA

Color, Apparent

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Color	**5000**		Color Units (Pt-Co)	500	500	500	EPA 110.1/SM 2120B	06/15/2012 17:15	06/15/2012 17:15	AA

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	0.0100	1	SM 4500 CN C/E	06/20/2012 14:58	06/20/2012 14:58	AMC

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**718**		mg/L	1.00	1.00	1	EPA 200.7	06/18/2012 15:19	06/18/2012 19:03	MW

Hexavalent Chromium

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.00600	0.0100	1	SM3500-Cr-D	06/15/2012 16:00	06/15/2012 16:00	ASG

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	06/19/2012 14:37	06/19/2012 14:37	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**0.720**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	06/21/2012 09:19	06/21/2012 14:16	ASG

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.32**		mg/L	1.00	1.00	1	SM 5310C	06/18/2012 08:34	06/19/2012 13:17	AMC

Sample Information

Client Sample ID: **DCB-MW-2** **York Sample ID:** **12F0523-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
78-93-3	2-Butanone	ND		ug/L	2.6	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
591-78-6	2-Hexanone	ND		ug/L	0.87	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	5.6	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
67-64-1	**Acetone**	**3.9**	J, B	ug/L	3.1	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
107-13-1	Acrylonitrile	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
71-43-2	**Benzene**	**1.8**	J	ug/L	0.48	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-15-0	Carbon disulfide	ND		ug/L	0.64	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
108-90-7	**Chlorobenzene**	**1.1**	J	ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS

Sample Information

Client Sample ID: **DCB-MW-2** **York Sample ID:** **12F0523-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
74-88-4	Iodomethane	ND		ug/L	3.1	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-09-2	**Methylene chloride**	**4.3**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/L	0.66	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:13	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*118 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.7 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*96.8 %*	*81.2-127*

Boron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-42-8	**Boron**	**0.0275**		mg/L	0.00500	0.0100	1	EPA SW846-6010B	06/19/2012 09:21	06/19/2012 13:25	MW

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-39-3	**Barium**	**0.150**		mg/L	0.004	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-70-2	**Calcium**	**48.7**		mg/L	0.009	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12F0523-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7439-89-6	**Iron**	**47.1**		mg/L	0.006	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7439-95-4	**Magnesium**	**12.2**		mg/L	0.008	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7439-96-5	**Manganese**	**12.9**		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-02-0	**Nickel**	**0.009**		mg/L	0.0008	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-09-7	**Potassium**	**3.30**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7782-49-2	**Selenium**	**0.018**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-23-5	**Sodium**	**9.69**		mg/L	0.066	0.100	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00004	0.0002	1	EPA SW846-7470/EPA 245.1	06/18/2012 17:23	06/18/2012 17:23	AA

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**306**		mg/L	1.00	1.00	1	SM 2540C	06/19/2012 13:10	06/19/2012 13:10	AA

Turbidity

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**118**		NTU	0.00	0.00	50	EPA 180.1	06/15/2012 17:06	06/15/2012 17:06	AA

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		mg/L	0.0330	0.200	1	EPA Method 300.0	06/18/2012 19:11	06/18/2012 19:11	AMC

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**10.5**		mg/L	0.0690	0.500	1	EPA Method 300.0	06/18/2012 19:11	06/18/2012 19:11	AMC

Nitrate (as N)

Log-in Notes: **Sample Notes:** **HT-02**

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12F0523-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-53-8	**Nitrate as N**	**0.488**		mg/L	0.0120	0.0500	1	EPA 300	06/18/2012 14:42	06/18/2012 19:11	AMC

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	0.0860	1.00	1	EPA Method 300.0	06/18/2012 19:11	06/18/2012 19:11	AMC

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**270**		mg/L	0.90	2.0	1	SM 2320B	06/20/2012 14:47	06/20/2012 14:47	AMC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**1.70**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	06/21/2012 09:24	06/21/2012 14:17	ASG

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**16**	HT-02	mg/L	1.0	1.0	1	SM 5210 B	06/15/2012 15:55	06/20/2012 13:07	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	ND		mg/L	10	10	1	SM 5220 B	06/19/2012 14:59	06/19/2012 14:59	AA

Color, Apparent

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Color	**500**		Color Units (Pt-Co)	100	100	100	EPA 110.1/SM 2120B	06/15/2012 17:15	06/15/2012 17:15	AA

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	0.0100	1	SM 4500 CN C/E	06/20/2012 14:58	06/20/2012 14:58	AMC

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**172**		mg/L	1.00	1.00	1	EPA 200.7	06/18/2012 15:19	06/18/2012 19:07	MW

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12F0523-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Hexavalent Chromium

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.0750**	HT-01	mg/L	0.00600	0.0100	1	SM3500-Cr-D	06/15/2012 16:00	06/15/2012 16:00	ASG

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	06/19/2012 14:37	06/19/2012 14:37	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**2.60**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	06/21/2012 09:19	06/21/2012 14:16	ASG

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.66**		mg/L	1.00	1.00	1	SM 5310C	06/18/2012 08:34	06/19/2012 13:17	AMC

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12F0523-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS

Sample Information

Client Sample ID: DCB-MW-3S

York Sample ID: 12F0523-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
78-93-3	2-Butanone	ND		ug/L	2.6	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
591-78-6	2-Hexanone	ND		ug/L	0.87	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	5.6	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
67-64-1	**Acetone**	**4.4**	J, B	ug/L	3.1	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
107-13-1	Acrylonitrile	ND		ug/L	1.4	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-15-0	Carbon disulfide	ND		ug/L	0.64	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
108-90-7	**Chlorobenzene**	**1.3**	J	ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
74-88-4	Iodomethane	ND		ug/L	3.1	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-09-2	**Methylene chloride**	**4.7**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/L	0.66	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12F0523-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Volatile Organics, NYSDEC Part 360 Baseline List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	06/15/2012 13:44	06/18/2012 17:53	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*121 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.9 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*95.0 %*	*81.2-127*

Boron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-42-8	**Boron**	**0.230**		mg/L	0.00500	0.0100	1	EPA SW846-6010B	06/19/2012 09:21	06/19/2012 13:32	MW

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-39-3	**Barium**	**0.251**		mg/L	0.004	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-70-2	**Calcium**	**230**		mg/L	0.009	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-47-3	**Chromium**	**0.005**		mg/L	0.0009	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-48-4	**Cobalt**	**0.019**		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-50-8	**Copper**	**0.032**		mg/L	0.002	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7439-89-6	**Iron**	**2.48**		mg/L	0.006	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7439-92-1	**Lead**	**0.004**		mg/L	0.001	0.003	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7439-95-4	**Magnesium**	**64.8**		mg/L	0.008	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7439-96-5	**Manganese**	**17.6**		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-02-0	**Nickel**	**0.013**		mg/L	0.0008	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-09-7	**Potassium**	**14.1**		mg/L	0.026	0.050	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7782-49-2	**Selenium**	**0.027**		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-23-5	**Sodium**	**26.3**		mg/L	0.066	0.100	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B/EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12F0523-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00004	0.0002	1	EPA SW846-7470/EPA 245.1	06/18/2012 17:23	06/18/2012 17:23	AA

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**948**		mg/L	1.00	1.00	1	SM 2540C	06/19/2012 13:10	06/19/2012 13:10	AA

Turbidity

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**18.4**		NTU	0.00	0.00	5	EPA 180.1	06/15/2012 17:06	06/15/2012 17:06	AA

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	**Bromide**	**0.552**		mg/L	0.0330	0.200	1	EPA Method 300.0	06/18/2012 19:27	06/18/2012 19:27	AMC

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**23.5**		mg/L	0.0690	0.500	1	EPA Method 300.0	06/18/2012 19:27	06/18/2012 19:27	AMC

Nitrate (as N)

Log-in Notes: **Sample Notes:** **HT-02**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-53-8	**Nitrate as N**	**0.192**		mg/L	0.0120	0.0500	1	EPA 300	06/18/2012 14:42	06/18/2012 19:27	AMC

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**117**		mg/L	0.860	10.0	10	EPA Method 300.0	06/19/2012 20:46	06/19/2012 20:46	AMC

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**880**		mg/L	0.90	2.0	1	SM 2320B	06/20/2012 14:47	06/20/2012 14:47	AMC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**2.50**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	06/21/2012 09:24	06/21/2012 14:17	ASG

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12F0523-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**8.0**	HT-02	mg/L	1.0	1.0	1	SM 5210 B	06/15/2012 15:55	06/20/2012 13:07	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	ND		mg/L	10	10	1	SM 5220 B	06/19/2012 14:59	06/19/2012 14:59	AA

Color, Apparent

Log-in Notes: **Sample Notes:** HT-02

Sample Prepared by Method: *** DEFAULT PREP ***

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Color	**250**		Color Units (Pt-Co)	50	50	50	EPA 110.1/SM 2120B	06/15/2012 17:15	06/15/2012 17:15	AA

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	0.0100	1	SM 4500 CN C/E	06/20/2012 14:58	06/20/2012 14:58	AMC

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**842**		mg/L	1.00	1.00	1	EPA 200.7	06/18/2012 15:19	06/18/2012 19:12	MW

Hexavalent Chromium

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	**Chromium, Hexavalent**	**0.0290**	HT-01	mg/L	0.00600	0.0100	1	SM3500-Cr-D	06/15/2012 16:00	06/15/2012 16:00	ASG

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	06/19/2012 14:37	06/19/2012 14:37	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**4.00**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	06/21/2012 09:19	06/21/2012 14:16	ASG

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12F0523-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12F0523	81030.00 D.C. Balefill	Water	June 12, 2012 12:35 pm	06/15/2012

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8.83**		mg/L	1.00	1.00	1	SM 5310C	06/18/2012 08:34	06/19/2012 13:17	AMC

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BF20548 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/15/12
12F0523-02	DCB-MW-2	06/15/12
12F0523-03	DCB-MW-3S	06/15/12
BF20548-BLK1	Blank	06/15/12

Batch ID: BF20607 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/18/12
12F0523-02	DCB-MW-2	06/18/12
12F0523-03	DCB-MW-3S	06/18/12
BF20607-BLK1	Blank	06/18/12
BF20607-BS1	LCS	06/18/12

Batch ID: BF20611 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/19/12
12F0523-02	DCB-MW-2	06/19/12
12F0523-03	DCB-MW-3S	06/19/12
BF20611-BLK1	Blank	06/19/12
BF20611-BS1	LCS	06/19/12

Batch ID: BF20616 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/19/12
12F0523-02	DCB-MW-2	06/19/12
12F0523-03	DCB-MW-3S	06/19/12
BF20616-BLK1	Blank	06/19/12
BF20616-BS1	LCS	06/19/12
BF20616-DUP1	Duplicate	06/19/12
BF20616-MS1	Matrix Spike	06/19/12

Batch ID: BF20617 **Preparation Method:** Analysis Preparation **Prepared By:** ASG

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/15/12
12F0523-02	DCB-MW-2	06/15/12
12F0523-03	DCB-MW-3S	06/15/12
BF20617-BLK1	Blank	06/14/12
BF20617-BS1	LCS	06/14/12
BF20617-DUP1	Duplicate	06/14/12
BF20617-MS1	Matrix Spike	06/14/12

Batch ID: BF20618 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/19/12
12F0523-02	DCB-MW-2	06/19/12
12F0523-03	DCB-MW-3S	06/19/12
BF20618-BLK1	Blank	06/19/12

Batch ID: BF20624 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/15/12
12F0523-02	DCB-MW-2	06/15/12
12F0523-03	DCB-MW-3S	06/15/12
BF20624-BLK1	Blank	06/15/12
BF20624-DUP1	Duplicate	06/15/12
BF20624-SRM1	Reference	06/15/12

Batch ID: BF20627 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/15/12
12F0523-02	DCB-MW-2	06/15/12
12F0523-03	DCB-MW-3S	06/15/12
BF20627-BLK1	Blank	06/15/12

Batch ID: BF20629 **Preparation Method:** EPA SW846-7470 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/18/12
12F0523-02	DCB-MW-2	06/18/12
12F0523-03	DCB-MW-3S	06/18/12
BF20629-BLK1	Blank	06/18/12
BF20629-BS1	LCS	06/18/12
BF20629-BS2	LCS	06/18/12

Batch ID: BF20635 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/15/12
12F0523-02	DCB-MW-2	06/15/12
12F0523-03	DCB-MW-3S	06/15/12
BF20635-BLK1	Blank	06/18/12
BF20635-BS1	LCS	06/18/12
BF20635-BSD1	LCS Dup	06/18/12

Batch ID: BF20659 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/18/12

12F0523-01	DCB-MW-1S	06/18/12
12F0523-02	DCB-MW-2	06/18/12
12F0523-02	DCB-MW-2	06/18/12
12F0523-03	DCB-MW-3S	06/18/12
12F0523-03	DCB-MW-3S	06/18/12
BF20659-BLK1	Blank	06/18/12
BF20659-BLK1	Blank	06/18/12
BF20659-SRM1	Reference	06/18/12
BF20659-SRM2	Reference	06/18/12

Batch ID: BF20670 **Preparation Method:** EPA 300 **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/18/12
12F0523-01	DCB-MW-1S	06/18/12
12F0523-02	DCB-MW-2	06/18/12
12F0523-02	DCB-MW-2	06/18/12
12F0523-03	DCB-MW-3S	06/18/12
12F0523-03	DCB-MW-3S	06/18/12
BF20670-BLK1	Blank	06/18/12
BF20670-BS1	LCS	06/18/12
BF20670-SRM1	Reference	06/18/12

Batch ID: BF20696 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/19/12
12F0523-02	DCB-MW-2	06/19/12
12F0523-03	DCB-MW-3S	06/19/12
BF20696-BLK1	Blank	06/19/12
BF20696-SRM1	Reference	06/19/12

Batch ID: BF20730 **Preparation Method:** EPA 300 **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-03	DCB-MW-3S	06/19/12
BF20730-BLK1	Blank	06/19/12
BF20730-BS1	LCS	06/19/12
BF20730-SRM1	Reference	06/19/12

Batch ID: BF20741 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/20/12
12F0523-02	DCB-MW-2	06/20/12
12F0523-03	DCB-MW-3S	06/20/12
BF20741-BLK1	Blank	06/20/12
BF20741-BS1	LCS	06/20/12
BF20741-DUP1	Duplicate	06/20/12
BF20741-MS1	Matrix Spike	06/20/12

Batch ID: BF20775 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/20/12
12F0523-02	DCB-MW-2	06/20/12
12F0523-03	DCB-MW-3S	06/20/12
BF20775-BLK1	Blank	06/20/12

Batch ID: BF20819 **Preparation Method:** Analysis Preparation **Prepared By:** ASG

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/21/12
12F0523-02	DCB-MW-2	06/21/12
12F0523-03	DCB-MW-3S	06/21/12
BF20819-BLK1	Blank	06/21/12
BF20819-BS1	LCS	06/21/12
BF20819-DUP1	Duplicate	06/21/12
BF20819-MS1	Matrix Spike	06/21/12

Batch ID: BF20823 **Preparation Method:** Analysis Preparation **Prepared By:** ASG

YORK Sample ID	Client Sample ID	Preparation Date
12F0523-01	DCB-MW-1S	06/21/12
12F0523-02	DCB-MW-2	06/21/12
12F0523-03	DCB-MW-3S	06/21/12
BF20823-BLK1	Blank	06/21/12
BF20823-BS1	LCS	06/21/12
BF20823-DUP1	Duplicate	06/21/12
BF20823-MS1	Matrix Spike	06/21/12

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20635 - EPA 5030B											
Blank (BF20635-BLK1)									Prepared & Analyzed: 06/18/2012		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
Trichlorofluoromethane (Freon 11)	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2-Butanone	ND	10	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	10	"								
Acetone	4.8	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Iodomethane	ND	5.0	"								
Methylene chloride	6.7	10	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
Styrene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*55.8*		*"*	*50.0*		*112*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.6*	*63.5-145*				
Surrogate: Toluene-d8	*48.1*		*"*	*50.0*		*96.3*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20635 - EPA 5030B											
LCS (BF20635-BS1)							Prepared & Analyzed: 06/18/2012				
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		107	82.3-130				
1,1,1-Trichloroethane	58		"	50.0		117	75.6-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		94.5	71.3-131				
1,1,2-Trichloroethane	46		"	50.0		92.4	74.5-129				
Trichlorofluoromethane (Freon 11)	62	5.0	"				0-0				
1,1-Dichloroethane	49		"	50.0		98.2	79.6-132				
1,1-Dichloroethylene	55		"	50.0		110	80.2-146				
1,1-Dichloropropylene	51		"	50.0		103	75-136				
1,2,3-Trichloropropane	51		"	50.0		101	63-131				
1,2-Dibromo-3-chloropropane	56		"	50.0		113	58.9-140				
1,2-Dibromoethane	50		"	50.0		99.0	79-130				
1,2-Dichlorobenzene	51		"	50.0		102	76.1-122				
1,2-Dichloroethane	56		"	50.0		112	74.6-132				
1,2-Dichloropropane	46		"	50.0		92.3	76.9-129				
1,3-Dichlorobenzene	53		"	50.0		105	77-124				
1,4-Dichlorobenzene	53		"	50.0		106	76.6-125				
2-Butanone	36		"	50.0		71.8	66.7-132				
2-Hexanone	39		"	50.0		78.4	68.1-137				
4-Methyl-2-pentanone	40		"	50.0		80.5	62.2-130				
Acetone	23		"	50.0		46.2	15-186				
Acrylonitrile	40		"	50.0		80.8	77.8-132				
Benzene	48		"	50.0		96.3	76.2-129				
Bromochloromethane	44		"	50.0		87.7	70.8-137				
Bromodichloromethane	54		"	50.0		107	79.7-134				
Bromoform	56		"	50.0		113	70.5-141				
Bromomethane	41		"	50.0		81.1	43.9-147				
Carbon disulfide	82		"	100		82.1	64-123				
Carbon tetrachloride	63		"	50.0		126	78.1-138				
Chlorobenzene	49		"	50.0		98.2	80.4-125				
Chloroethane	41		"	50.0		82.7	55.8-140				
Chloroform	52		"	50.0		105	76.6-133				
Chloromethane	34		"	50.0		68.5	48.8-115				
cis-1,2-Dichloroethylene	47		"	50.0		94.0	75.1-128				
cis-1,3-Dichloropropylene	49		"	50.0		98.9	74.5-128				
Dibromochloromethane	55		"	50.0		110	79.8-134				
Dibromomethane	52		"	50.0		103	79-130				
Ethyl Benzene	55		"	50.0		111	80.8-128				
Iodomethane	64		"	50.0		129	65-159				
Methylene chloride	38		"	50.0		75.9	61.3-120				
o-Xylene	50		"	50.0		99.3	75.9-122				
p- & m- Xylenes	100		"	100		105	77.7-127				
Styrene	48		"	50.0		95.6	77.8-123				
Tetrachloroethylene	54		"	50.0		109	63.6-167				
Toluene	50		"	50.0		101	77-123				
trans-1,2-Dichloroethylene	51		"	50.0		102	76.3-139				
trans-1,3-Dichloropropylene	49		"	50.0		97.7	72.5-137				
trans-1,4-dichloro-2-butene	52		"	50.0		104	85.9-115				
Trichloroethylene	53		"	50.0		106	77.9-130				
Vinyl Chloride	40		"	50.0		80.7	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*55.9*		*"*	*50.0*		*112*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*63.5-145*				
Surrogate: Toluene-d8	*51.2*		*"*	*50.0*		*102*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20635 - EPA 5030B											
LCS Dup (BF20635-BSD1)							Prepared & Analyzed: 06/18/2012				
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		109	82.3-130		1.81	21.1	
1,1,1-Trichloroethane	62		"	50.0		124	75.6-137		6.14	19.7	
1,1,2,2-Tetrachloroethane	47		"	50.0		94.9	71.3-131		0.465	20.8	
1,1,2-Trichloroethane	47		"	50.0		93.7	74.5-129		1.46	20.3	
Trichlorofluoromethane (Freon 11)	66	5.0	"				0-0			0	
1,1-Dichloroethane	53		"	50.0		107	79.6-132		8.17	20.6	
1,1-Dichloroethylene	59		"	50.0		119	80.2-146		7.86	20	
1,1-Dichloropropylene	56		"	50.0		112	75-136		8.43	19.3	
1,2,3-Trichloropropane	49		"	50.0		98.4	63-131		2.67	23.9	
1,2-Dibromo-3-chloropropane	56		"	50.0		111	58.9-140		1.34	27.7	
1,2-Dibromoethane	52		"	50.0		103	79-130		4.25	23	
1,2-Dichlorobenzene	52		"	50.0		105	76.1-122		2.42	19.8	
1,2-Dichloroethane	60		"	50.0		121	74.6-132		7.55	20.2	
1,2-Dichloropropane	48		"	50.0		95.1	76.9-129		3.01	20.7	
1,3-Dichlorobenzene	54		"	50.0		108	77-124		2.33	19.2	
1,4-Dichlorobenzene	55		"	50.0		109	76.6-125		3.22	18.6	
2-Butanone	36		"	50.0		72.9	66.7-132		1.55	22	
2-Hexanone	41		"	50.0		82.0	68.1-137		4.51	20.5	
4-Methyl-2-pentanone	41		"	50.0		81.5	62.2-130		1.14	18	
Acetone	25		"	50.0		50.8	15-186		9.45	57	
Acrylonitrile	43		"	50.0		85.3	77.8-132		5.42	21.5	
Benzene	51		"	50.0		103	76.2-129		6.28	19	
Bromochloromethane	50		"	50.0		99.6	70.8-137		12.7	23.9	
Bromodichloromethane	56		"	50.0		113	79.7-134		4.87	21	
Bromoform	57		"	50.0		114	70.5-141		1.02	21.8	
Bromomethane	44		"	50.0		87.4	43.9-147		7.48	28.4	
Carbon disulfide	88		"	100		87.5	64-123		6.36	20	
Carbon tetrachloride	67		"	50.0		133	78.1-138		6.10	20.1	
Chlorobenzene	51		"	50.0		102	80.4-125		4.03	19.9	
Chloroethane	44		"	50.0		88.7	55.8-140		7.03	23.3	
Chloroform	57		"	50.0		115	76.6-133		8.91	20.3	
Chloromethane	37		"	50.0		74.1	48.8-115		7.85	24.5	
cis-1,2-Dichloroethylene	51		"	50.0		102	75.1-128		7.77	20.5	
cis-1,3-Dichloropropylene	51		"	50.0		102	74.5-128		3.40	19.9	
Dibromochloromethane	58		"	50.0		115	79.8-134		4.80	21.3	
Dibromomethane	53		"	50.0		107	79-130		3.42	22.4	
Ethyl Benzene	57		"	50.0		114	80.8-128		3.34	19.2	
Iodomethane	70		"	50.0		139	65-159		7.82	18.4	
Methylene chloride	40		"	50.0		80.7	61.3-120		6.03	20.4	
o-Xylene	52		"	50.0		104	75.9-122		4.66	19.3	
p- & m- Xylenes	110		"	100		108	77.7-127		2.68	18.6	
Styrene	50		"	50.0		100	77.8-123		4.98	20.9	
Tetrachloroethylene	55		"	50.0		109	63.6-167		0.771	27.7	
Toluene	52		"	50.0		104	77-123		2.78	18.7	
trans-1,2-Dichloroethylene	55		"	50.0		110	76.3-139		7.32	19.5	
trans-1,3-Dichloropropylene	51		"	50.0		103	72.5-137		5.07	19.3	
trans-1,4-dichloro-2-butene	53		"	50.0		106	85.9-115		1.66	13.7	
Trichloroethylene	53		"	50.0		106	77.9-130		0.0756	20.5	
Vinyl Chloride	42		"	50.0		84.0	54.9-124		4.10	22.3	
Surrogate: 1,2-Dichloroethane-d4	*55.6*		*"*	*50.0*		*111*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*63.5-145*				
Surrogate: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*81.2-127*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20659 - EPA 3010A											
Blank (BF20659-BLK1)											Prepared & Analyzed: 06/18/2012
Aluminum	ND	0.010	mg/L								
Aluminum - Dissolved	ND	0.0100	"								
Antimony	ND	0.005	"								
Arsenic	ND	0.010	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.020	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.005	"								
Iron	ND	0.010	"								
Iron - Dissolved	ND	0.0100	"								
Lead	ND	0.003	"								
Magnesium	ND	0.020	"								
Manganese	ND	0.005	"								
Manganese - Dissolved	ND	0.00500	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.010	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.020	"								
Reference (BF20659-SRM1)											Prepared & Analyzed: 06/18/2012
Aluminum - Dissolved	1.45	0.0100	mg/L	1.39		105	81.3-117				
Aluminum	1.45	0.010	"	1.39		105	81.3-117				
Antimony	0.138	0.005	"	0.132		105	62.4-123				
Arsenic	0.143	0.010	"	0.138		103	81.2-119				
Barium	1.23	0.010	"	1.12		110	86.8-113				
Beryllium	0.375	0.001	"	0.375		100	84.8-113				
Cadmium	0.266	0.003	"	0.255		104	85.1-114				
Chromium	0.400	0.005	"	0.389		103	86.9-113				
Cobalt	0.711	0.005	"	0.664		107	88-112				
Copper	0.467	0.005	"	0.446		105	89.9-110				
Iron - Dissolved	0.267	0.0100	"	0.274		97.6	86.9-115				
Iron	0.267	0.010	"	0.274		97.6	86.9-115				
Lead	2.11	0.003	"	1.97		107	87.8-112				
Manganese - Dissolved	0.932	0.00500	"	0.880		106	89.8-111				
Manganese	0.932	0.005	"	0.880		106	89.8-111				
Nickel	0.599	0.005	"	0.575		104	89.9-112				
Selenium	0.541	0.010	"	0.538		100	79.2-116				
Silver	0.224	0.005	"	0.230		97.6	85.7-115				
Thallium	0.164	0.010	"	0.153		107	66.7-130				
Vanadium	0.517	0.010	"	0.517		99.9	87.6-112				
Zinc	0.738	0.020	"	0.718		103	85.8-115				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20659 - EPA 3010A											
Reference (BF20659-SRM2)							Prepared & Analyzed: 06/18/2012				
Calcium	25.8	0.020	mg/L	25.3		102	86.2-114				
Magnesium	13.5	0.020	"	13.5		99.7	85.9-114				
Potassium	18.6	0.050	"	19.1		97.1	84.8-115				
Sodium	53.7	0.100	"	53.2		101	85-115				
Batch BF20696 - EPA 3010A											
Blank (BF20696-BLK1)							Prepared & Analyzed: 06/19/2012				
Boron	ND	0.0100	mg/L								
Reference (BF20696-SRM1)							Prepared & Analyzed: 06/19/2012				
Boron	1.17	0.0100	mg/L	1.18		99.0	88.1-111				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20629 - EPA SW846-7470											
Blank (BF20629-BLK1)									Prepared & Analyzed: 06/18/2012		
Mercury	ND	0.0002	mg/L								
LCS (BF20629-BS1)									Prepared & Analyzed: 06/18/2012		
Mercury	0.002767	0.0002	mg/L	0.00300		92.2	80-120				
LCS (BF20629-BS2)									Prepared & Analyzed: 06/18/2012		
Mercury	0.002699	0.0002	mg/L	0.00300		90.0	80-120				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20618 - % Solids Prep											
Blank (BF20618-BLK1)								Prepared & Analyzed: 06/19/2012			
Total Dissolved Solids	ND	1.00	mg/L								
Batch BF20624 - Analysis Preparation											
Blank (BF20624-BLK1)								Prepared & Analyzed: 06/15/2012			
Turbidity	ND	0.00	NTU								
Duplicate (BF20624-DUP1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/15/2012			
Turbidity	18.4	0.00	NTU		18.4				0.271	15	
Reference (BF20624-SRM1)								Prepared & Analyzed: 06/15/2012			
Turbidity	36.1		NTU	40.0		90.2	85-115				

Anions by EPA Method 300.0 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20670 - EPA 300											
Blank (BF20670-BLK1)								Prepared & Analyzed: 06/18/2012			
Chloride	ND	0.500	mg/L								
Bromide	ND	0.200	"								
Nitrate as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BF20670-BS1)								Prepared & Analyzed: 06/18/2012			
Chloride	10.1	0.500	mg/L	10.0		101	85-115				
Nitrate as N	9.69	0.0500	"	10.0		96.9	90-110				
Sulfate	9.79	1.00	"	10.0		97.9	85-115				
Bromide	9.44	0.200	"	10.0		94.4	85-115				
Reference (BF20670-SRM1)								Prepared & Analyzed: 06/18/2012			
Chloride	9.30		mg/L	9.14		102	90-110				
Nitrate as N	12.5		"	12.7		98.4	90-110				
Bromide	1.75		"	1.84		95.1	90-110				
Sulfate	18.8		"	18.5		102	90-110				
Batch BF20730 - EPA 300											
Blank (BF20730-BLK1)								Prepared & Analyzed: 06/19/2012			
Sulfate	ND	1.00	mg/L								
LCS (BF20730-BS1)								Prepared & Analyzed: 06/19/2012			
Sulfate	9.48	1.00	mg/L	10.0		94.8	85-115				
Reference (BF20730-SRM1)								Prepared & Analyzed: 06/19/2012			
Sulfate	18.4		mg/L	18.5		99.5	90-110				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20548 - Analysis Preparation											
Blank (BF20548-BLK1)									Prepared: 06/15/2012 Analyzed: 06/20/2012		
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								
Batch BF20607 - Analysis Preparation											
Blank (BF20607-BLK1)									Prepared: 06/18/2012 Analyzed: 06/19/2012		
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BF20607-BS1)									Prepared: 06/18/2012 Analyzed: 06/19/2012		
Total Organic Carbon (TOC)	46.1		mg/L	45.9		101	79.5-125.1				
Batch BF20611 - Analysis Preparation											
Blank (BF20611-BLK1)									Prepared & Analyzed: 06/19/2012		
Phenols, total	ND	0.0500	mg/L								
LCS (BF20611-BS1)									Prepared & Analyzed: 06/19/2012		
Phenols, total	2.66	0.0500	mg/L	3.00		88.7	67-116				
Batch BF20616 - Analysis Preparation											
Blank (BF20616-BLK1)									Prepared & Analyzed: 06/19/2012		
Chemical Oxygen Demand (COD)	ND	10	mg/L								
LCS (BF20616-BS1)									Prepared & Analyzed: 06/19/2012		
Chemical Oxygen Demand (COD)	100	10	mg/L	100		100	79-128				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20616 - Analysis Preparation											
Duplicate (BF20616-DUP1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/19/2012			
Chemical Oxygen Demand (COD)	ND	10	mg/L		ND					20	
Matrix Spike (BF20616-MS1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/19/2012			
Chemical Oxygen Demand (COD)	93	10	mg/L	100	ND	92.7	73.3-123				
Batch BF20617 - Analysis Preparation											
Blank (BF20617-BLK1)								Prepared: 06/14/2012 Analyzed: 06/15/2012			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BF20617-BS1)								Prepared: 06/14/2012 Analyzed: 06/15/2012			
Chromium, Hexavalent	0.583	0.0100	mg/L	0.500		117	80-120				
Duplicate (BF20617-DUP1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared: 06/14/2012 Analyzed: 06/15/2012			
Chromium, Hexavalent	0.0290	0.0100	mg/L		0.0290				0.00	20	
Matrix Spike (BF20617-MS1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared: 06/14/2012 Analyzed: 06/15/2012			
Chromium, Hexavalent	0.532	0.0100	mg/L	0.500	0.0290	101	75-125				
Batch BF20627 - * DEFAULT PREP *** **											
Blank (BF20627-BLK1)								Prepared & Analyzed: 06/15/2012			
Color	ND	1.0	Color Units (Pt-Co)								
Batch BF20659 - EPA 3010A											
Blank (BF20659-BLK1)								Prepared & Analyzed: 06/18/2012			
Hardness, Total	ND	1.00	mg/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20741 - Analysis Preparation											
Blank (BF20741-BLK1)								Prepared & Analyzed: 06/20/2012			
Cyanide, total	ND	0.0100	mg/L								
LCS (BF20741-BS1)								Prepared & Analyzed: 06/20/2012			
Cyanide, total	0.170	0.0100	mg/L	0.196		86.7	76.2-107				
Duplicate (BF20741-DUP1)	*Source sample: 12F0523-01 (DCB-MW-1S)							Prepared & Analyzed: 06/20/2012			
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BF20741-MS1)	*Source sample: 12F0523-01 (DCB-MW-1S)							Prepared & Analyzed: 06/20/2012			
Cyanide, total	0.163	0.0100	mg/L	0.190	ND	85.8	79-105				
Batch BF20775 - Analysis Preparation											
Blank (BF20775-BLK1)								Prepared & Analyzed: 06/20/2012			
Alkalinity, total	ND	2.0	mg/L								
Batch BF20819 - Analysis Preparation											
Blank (BF20819-BLK1)								Prepared & Analyzed: 06/21/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L								
LCS (BF20819-BS1)								Prepared & Analyzed: 06/21/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L	10.0			80-120	Low Bias			
Duplicate (BF20819-DUP1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/21/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L		4.00					20	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF20819 - Analysis Preparation											
Matrix Spike (BF20819-MS1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/21/2012			
Total Kjeldahl Nitrogen	ND	0.100	mg/L	10.0	4.00	NR	75-125	Low Bias			
Batch BF20823 - Analysis Preparation											
Blank (BF20823-BLK1)								Prepared & Analyzed: 06/21/2012			
Ammonia Nitrogen as N	ND	0.0500	mg/L								
LCS (BF20823-BS1)								Prepared & Analyzed: 06/21/2012			
Ammonia Nitrogen as N	ND	0.0500	mg/L	10.0			85-115	Low Bias			
Duplicate (BF20823-DUP1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/21/2012			
Ammonia Nitrogen as N	ND	0.0500	mg/L		2.50					200	
Matrix Spike (BF20823-MS1)	*Source sample: 12F0523-03 (DCB-MW-3S)							Prepared & Analyzed: 06/21/2012			
Ammonia Nitrogen as N	ND	0.0500	mg/L	10.0	2.50	NR	80-120	Low Bias			

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

HT-02 NON-COMPLIANT-This sample was received outside the EPA recommended holding time.

HT-01 This result was reported from an analysis conducted outside of the EPA recommended holding time.

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

Corrective Action: Client submitted BOD5, Nitrate, Hexavalent Chromium, Color & Turbidity Out of Hold Time - JG 06/15/2012

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12F0523

YOUR Information	**Report To:**	**Invoice To:**
Company: CHAZEN	Company: CHAZEN	Company: CHAZEN
Address:	Address:	Address:
Phone No.	Phone No.	Phone No. ACCTS PAYABLE
Contact Person: ERIC ORLOWSKI	Attention:	Attention: [redacted]
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: 81030.00 D.C. Bakehill

Purchase Order No.: P13743

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) X

Report Type/Deliverbles
- Summary Report X
- Summary w/ QA Summary ___
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B Package ___
- *Electronic Deliverables:*
- EDD (Specify Type) ___
- Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Eric Orlowski
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360+Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360+Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
DCB-MW-1S	6/12/2012 1118	GW	PART 360 BASELINE PARAMETERS + TURBIDITY	VARIOUS
DCB-MW-2	1235			
DCB-MW-3S	1333			
			* PLEASE ALSO RUN DISSOLVED Fe, Al, & Mn ON	
			DCB-MW-1S, USING UNPRESERVED SAMPLE (WILL REQUIRE	
			LAB FILTRATION). THANK YOU *	

Comments

Preservation (Check those Applicable): 4°C X Frozen ___ HCl X MeOH ___ HNO_3 X H_2SO_4 X NaOH X Zinc Acetate Ascorbic Acid Other

Samples Relinquished By	6/15/2012 1035	Samples Received By	6-15-12 10:35
Samples Relinquished By	Date/Time	Samples Received in LAB by	6/15/12 1535 Date/Time

Temperature on Receipt: 4.4 °C

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 10/10/2012
Client Project ID: 81030.00 DC Balefill
York Project (SDG) No.: 12J0125

Report Date: 10/10/2012
Client Project ID: 81030.00 DC Balefill
York Project (SDG) No.: 12J0125

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 02, 2012 and listed below. The project was identified as your project: **81030.00 DC Balefill**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12J0125-01	DCB-MW-1S	Water	10/01/2012	10/02/2012
12J0125-02	DCB-MW-2	Water	10/01/2012	10/02/2012
12J0125-03	DCB-MW-3S	Water	10/01/2012	10/02/2012

General Notes for York Project (SDG) No.: 12J0125

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 10/10/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12J0125-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 1:15 pm	10/02/2012

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	1.90	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Cadmium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	1.90	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	**259000**		ug/L	19.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Calcium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	**91000**		ug/L	19.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**204000**		ug/L	10.0	10.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Iron, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**17.4**		ug/L	10.0	10.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	**135**		ug/L	2.20	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Lead, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	2.20	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12J0125-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 1:15 pm	10/02/2012

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**106000**		ug/L	10.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Magnesium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**29800**		ug/L	10.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**7070**		ug/L	2.00	5.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Manganese, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**385**		ug/L	2.00	5.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**11400**		ug/L	26.1	50.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Potassium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**910**		ug/L	26.1	50.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	**13900**		ug/L	60.6	100	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:10	MW

Sodium, Dissolved by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	**10700**		ug/L	60.6	100	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:05	MW

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**438000**		ug/L	1000	1000	1	SM 2540C	10/04/2012 09:31	10/04/2012 09:31	ALD

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12J0125-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 1:15 pm	10/02/2012

Turbidity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**7500000**		ug/L	0.00	500	10	EPA 180.1	10/03/2012 08:05	10/03/2012 08:05	AD

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	**215**		ug/L	33.0	200	1	EPA Method 300.0	10/03/2012 04:16	10/03/2012 04:16	ALD

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	**2690**		ug/L	69.0	500	1	EPA Method 300.0	10/03/2012 04:16	10/03/2012 04:16	ALD

Nitrate (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	**258**		ug/L	12.0	50.0	1	EPA 300	10/03/2012 04:16	10/03/2012 04:16	ALD

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	**63300**		ug/L	860	10000	10	EPA Method 300.0	10/04/2012 20:43	10/04/2012 20:43	ALD

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**420000**		ug/L	900	2000	1	SM 2320B	10/05/2012 13:12	10/05/2012 13:12	SC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	**67.5**		ug/L	50.0	50.0	1	SM-4500-NH3-G	10/09/2012 12:11	10/10/2012 13:42	ALD

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**3000**		ug/L	1000	1000	1	SM 5210 B	10/03/2012 06:47	10/08/2012 12:09	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**730000**		ug/L	50000	50000	5	SM 5220 B	10/05/2012 17:03	10/05/2012 17:03	AA

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12J0125-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 1:15 pm	10/02/2012

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**1080000**		ug/L	1000	1000	1	EPA 200.7	10/03/2012 14:26	10/03/2012 18:10	MW

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		ug/L	50.0	50.0	1	EPA 420.1/2	10/04/2012 16:23	10/04/2012 16:23	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**556**		ug/L	100	100	1	SM 4500-N (Org)B	10/09/2012 12:09	10/10/2012 13:40	ALD

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	ND		ug/L	1000	1000	1	SM 5310C	10/04/2012 09:49	10/05/2012 09:28	SC

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12J0125-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:13 pm	10/02/2012

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	1.90	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	**83700**		ug/L	19.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**26300**		ug/L	10.0	10.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12J0125-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:13 pm	10/02/2012

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	2.20	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**18700**		ug/L	10.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**10200**		ug/L	2.00	5.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**4630**		ug/L	26.1	50.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	**3930**		ug/L	60.6	100	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:15	MW

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**379000**		ug/L	1000	1000	1	SM 2540C	10/04/2012 09:31	10/04/2012 09:31	ALD

Turbidity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**113000**		ug/L	0.00	50.0	1	EPA 180.1	10/03/2012 08:05	10/03/2012 08:05	AD

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		ug/L	33.0	200	1	EPA Method 300.0	10/03/2012 04:32	10/03/2012 04:32	ALD

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	**2390**		ug/L	69.0	500	1	EPA Method 300.0	10/03/2012 04:32	10/03/2012 04:32	ALD

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12J0125-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:13 pm	10/02/2012

Nitrate (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		ug/L	12.0	50.0	1	EPA 300	10/03/2012 04:32	10/03/2012 04:32	ALD

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	**4760**		ug/L	86.0	1000	1	EPA Method 300.0	10/03/2012 04:32	10/03/2012 04:32	ALD

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**300000**		ug/L	900	2000	1	SM 2320B	10/05/2012 13:12	10/05/2012 13:12	SC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	**1560**		ug/L	50.0	50.0	1	SM-4500-NH3-G	10/09/2012 12:11	10/10/2012 13:42	ALD

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**19000**		ug/L	1000	1000	1	SM 5210 B	10/03/2012 06:47	10/08/2012 12:09	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**20000**		ug/L	10000	10000	1	SM 5220 B	10/05/2012 17:03	10/05/2012 17:03	AA

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**286000**		ug/L	1000	1000	1	EPA 200.7	10/03/2012 14:26	10/03/2012 18:15	MW

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		ug/L	50.0	50.0	1	EPA 420.1/2	10/04/2012 16:23	10/04/2012 16:23	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**2560**		ug/L	100	100	1	SM 4500-N (Org)B	10/09/2012 12:09	10/10/2012 13:40	ALD

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12J0125-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:13 pm	10/02/2012

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**4360**		ug/L	1000	1000	1	SM 5310C	10/04/2012 09:49	10/05/2012 09:28	SC

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12J0125-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:50 pm	10/02/2012

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		ug/L	1.90	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	**188000**		ug/L	19.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**26300**		ug/L	10.0	10.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		ug/L	2.20	3.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**40700**		ug/L	10.0	20.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**18600**		ug/L	2.00	5.00	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12J0125-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:50 pm	10/02/2012

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**12100**		ug/L	26.1	50.0	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	**7010**		ug/L	60.6	100	1	EPA SW846-6010B	10/03/2012 14:26	10/03/2012 18:21	MW

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**808000**		ug/L	1000	1000	1	SM 2540C	10/04/2012 09:31	10/04/2012 09:31	ALD

Turbidity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**253000**		ug/L	0.00	50.0	1	EPA 180.1	10/03/2012 08:05	10/03/2012 08:05	AD

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	**434**		ug/L	33.0	200	1	EPA Method 300.0	10/03/2012 05:21	10/03/2012 05:21	ALD

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	Chloride	**3560**		ug/L	69.0	500	1	EPA Method 300.0	10/03/2012 05:21	10/03/2012 05:21	ALD

Nitrate (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		ug/L	12.0	50.0	1	EPA 300	10/03/2012 05:21	10/03/2012 05:21	ALD

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	**73700**		ug/L	860	10000	10	EPA Method 300.0	10/04/2012 21:33	10/04/2012 21:33	ALD

Alkalinity, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**630000**		ug/L	900	2000	1	SM 2320B	10/05/2012 13:12	10/05/2012 13:12	SC

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12J0125-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12J0125	81030.00 DC Balefill	Water	October 1, 2012 3:50 pm	10/02/2012

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	Ammonia Nitrogen as N	**1860**		ug/L	50.0	50.0	1	SM-4500-NH3-G	10/09/2012 12:11	10/10/2012 13:42	ALD

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**8000**		ug/L	1000	1000	1	SM 5210 B	10/03/2012 06:47	10/08/2012 12:09	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**30000**		ug/L	10000	10000	1	SM 5220 B	10/05/2012 17:03	10/05/2012 17:03	AA

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**636000**		ug/L	1000	1000	1	EPA 200.7	10/03/2012 14:26	10/03/2012 18:21	MW

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		ug/L	50.0	50.0	1	EPA 420.1/2	10/04/2012 16:23	10/04/2012 16:23	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**3380**		ug/L	100	100	1	SM 4500-N (Org)B	10/09/2012 12:09	10/10/2012 13:40	ALD

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**8120**		ug/L	1000	1000	1	SM 5310C	10/04/2012 09:49	10/05/2012 09:28	SC

Analytical Batch Summary

Batch ID: BJ20156 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/03/12
12J0125-02	DCB-MW-2	10/03/12
12J0125-03	DCB-MW-3S	10/03/12
BJ20156-BLK1	Blank	10/03/12
BJ20156-DUP1	Duplicate	10/03/12

Batch ID: BJ20207 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/03/12
12J0125-01	DCB-MW-1S	10/03/12
12J0125-02	DCB-MW-2	10/03/12
12J0125-02	DCB-MW-2	10/03/12
12J0125-03	DCB-MW-3S	10/03/12
12J0125-03	DCB-MW-3S	10/03/12
BJ20207-BLK1	Blank	10/03/12
BJ20207-BLK1	Blank	10/03/12
BJ20207-DUP1	Duplicate	10/03/12
BJ20207-DUP1	Duplicate	10/03/12
BJ20207-MS1	Matrix Spike	10/03/12
BJ20207-SRM1	Reference	10/03/12
BJ20207-SRM2	Reference	10/03/12

Batch ID: BJ20209 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/04/12
12J0125-02	DCB-MW-2	10/04/12
12J0125-03	DCB-MW-3S	10/04/12
BJ20209-BLK1	Blank	10/04/12

Batch ID: BJ20243 **Preparation Method:** Analysis Preparation **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/04/12
12J0125-02	DCB-MW-2	10/04/12
12J0125-03	DCB-MW-3S	10/04/12
BJ20243-BLK1	Blank	10/04/12
BJ20243-BS1	LCS	10/04/12
BJ20243-DUP1	Duplicate	10/04/12
BJ20243-MS1	Matrix Spike	10/04/12

Batch ID: BJ20251 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/04/12

12J0125-02	DCB-MW-2	10/04/12
12J0125-03	DCB-MW-3S	10/04/12
BJ20251-BLK1	Blank	10/04/12
BJ20251-BS1	LCS	10/04/12

Batch ID: BJ20281 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/03/12
12J0125-02	DCB-MW-2	10/03/12
12J0125-03	DCB-MW-3S	10/03/12
BJ20281-BLK1	Blank	10/03/12
BJ20281-DUP1	Duplicate	10/03/12
BJ20281-SRM1	Reference	10/03/12

Batch ID: BJ20286 **Preparation Method:** EPA 300 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/03/12
12J0125-02	DCB-MW-2	10/03/12
12J0125-03	DCB-MW-3S	10/03/12
BJ20286-BLK1	Blank	10/03/12
BJ20286-BS1	LCS	10/03/12
BJ20286-SRM1	Reference	10/03/12

Batch ID: BJ20306 **Preparation Method:** Analysis Preparation **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/05/12
12J0125-02	DCB-MW-2	10/05/12
12J0125-03	DCB-MW-3S	10/05/12
BJ20306-BLK1	Blank	10/05/12
BJ20306-BS1	LCS	10/05/12

Batch ID: BJ20314 **Preparation Method:** Analysis Preparation **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/05/12
12J0125-02	DCB-MW-2	10/05/12
12J0125-03	DCB-MW-3S	10/05/12
BJ20314-BLK1	Blank	10/05/12
BJ20314-SRM1	Reference	10/05/12

Batch ID: BJ20346 **Preparation Method:** EPA 300 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/04/12
12J0125-03	DCB-MW-3S	10/04/12
BJ20346-BLK1	Blank	10/04/12
BJ20346-BS1	LCS	10/04/12
BJ20346-SRM1	Reference	10/05/12

Batch ID: BJ20466 **Preparation Method:** Analysis Preparation **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/09/12
12J0125-02	DCB-MW-2	10/09/12
12J0125-03	DCB-MW-3S	10/09/12
BJ20466-BLK1	Blank	10/10/12
BJ20466-BS1	LCS	10/10/12

Batch ID: BJ20467 **Preparation Method:** Analysis Prep for SAA **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
12J0125-01	DCB-MW-1S	10/09/12
12J0125-02	DCB-MW-2	10/09/12
12J0125-03	DCB-MW-3S	10/09/12
BJ20467-BLK1	Blank	10/09/12
BJ20467-BS1	LCS	10/09/12

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20207 - EPA 3010A											
Blank (BJ20207-BLK1)									Prepared & Analyzed: 10/03/2012		
Cadmium - Dissolved	ND	3.00	ug/L								
Cadmium	ND	3.00	"								
Calcium	ND	20.0	"								
Calcium - Dissolved	ND	20.0	"								
Iron - Dissolved	ND	10.0	"								
Iron	ND	10.0	"								
Lead - Dissolved	ND	3.00	"								
Lead	ND	3.00	"								
Magnesium	ND	20.0	"								
Magnesium - Dissolved	ND	20.0	"								
Manganese - Dissolved	ND	5.00	"								
Manganese	ND	5.00	"								
Potassium	ND	50.0	"								
Potassium - Dissolved	ND	50.0	"								
Sodium	ND	100	"								
Sodium - Dissolved	ND	100	"								
Duplicate (BJ20207-DUP1)	*Source sample: 12J0125-03 (DCB-MW-3S)								Prepared & Analyzed: 10/03/2012		
Cadmium - Dissolved	ND	3.00	ug/L		ND					20	
Cadmium	ND	3.00	"		ND					20	
Calcium - Dissolved	188000	20.0	"		188000				0.370	20	
Calcium	188000	20.0	"		188000				0.370	20	
Iron - Dissolved	26100	10.0	"		26300				0.789	20	
Iron	26100	10.0	"		26300				0.789	20	
Lead - Dissolved	2.69	3.00	"		ND					20	
Lead	2.69	3.00	"		ND					20	
Magnesium	40800	20.0	"		40700				0.145	20	
Magnesium - Dissolved	40800	20.0	"		40700				0.145	20	
Manganese - Dissolved	18700	5.00	"		18600				0.667	20	
Manganese	18700	5.00	"		18600				0.667	20	
Potassium - Dissolved	12100	50.0	"		12100				0.330	20	
Potassium	12100	50.0	"		12100				0.330	20	
Sodium	6990	100	"		7010				0.314	20	
Sodium - Dissolved	6990	100	"		7010				0.314	20	

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20207 - EPA 3010A											
Matrix Spike (BJ20207-MS1)	*Source sample: 12J0125-03 (DCB-MW-3S)								Prepared & Analyzed: 10/03/2012		
Cadmium	52.0	3.00	ug/L	50.0	ND	104	75-125				
Cadmium - Dissolved	52.0	3.00	"	50.0	ND	104	75-125				
Iron - Dissolved	27200	10.0	"	1000	26300	93.4	75-125				
Iron	27200	10.0	"	1000	26300	93.4	75-125				
Lead - Dissolved	525	3.00	"	500	ND	105	75-125				
Lead	525	3.00	"	500	ND	105	75-125				
Manganese	19100	5.00	"	500	18600	105	75-125				
Manganese - Dissolved	19100	5.00	"	500	18600	105	75-125				
Reference (BJ20207-SRM1)									Prepared & Analyzed: 10/03/2012		
Cadmium	249	3.00	ug/L	255		97.7	85.1-114				
Cadmium - Dissolved	249	3.00	"	255		97.7	85.1-114				
Iron - Dissolved	258	10.0	"	274		94.2	86.9-115				
Iron	258	10.0	"	274		94.2	86.9-115				
Lead	2000	3.00	"	1970		101	87.8-112				
Lead - Dissolved	2000	3.00	"	1970		101	87.8-112				
Manganese - Dissolved	896	5.00	"	880		102	89.8-111				
Manganese	896	5.00	"	880		102	89.8-111				
Reference (BJ20207-SRM2)									Prepared & Analyzed: 10/03/2012		
Calcium - Dissolved	24700	20.0	ug/L	25300		97.6	86.2-114				
Calcium	24700	20.0	"	25300		97.6	86.2-114				
Magnesium - Dissolved	13200	20.0	"	13500		97.4	85.9-114				
Magnesium	13200	20.0	"	13500		97.4	85.9-114				
Potassium	19100	50.0	"	19100		99.9	84.8-115				
Potassium - Dissolved	19100	50.0	"	19100		99.9	84.8-115				
Sodium	52900	100	"	53200		99.5	85-115				
Sodium - Dissolved	52900	100	"	53200		99.5	85-115				

Miscellaneous Physical/Conventional Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20209 - % Solids Prep											
Blank (BJ20209-BLK1)								Prepared & Analyzed: 10/04/2012			
Total Dissolved Solids	ND	1000	ug/L								
Batch BJ20281 - Analysis Preparation											
Blank (BJ20281-BLK1)								Prepared & Analyzed: 10/03/2012			
Turbidity	ND	50.0	ug/L								
Duplicate (BJ20281-DUP1)	*Source sample: 12J0125-01 (DCB-MW-1S)							Prepared & Analyzed: 10/03/2012			
Turbidity	7500000	500	ug/L		7500000				0.00	15	
Reference (BJ20281-SRM1)								Prepared & Analyzed: 10/03/2012			
Turbidity	389		NTU	400		97.2	85-115				

Anions by EPA Method 300.0 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20286 - EPA 300											
Blank (BJ20286-BLK1)								Prepared & Analyzed: 10/03/2012			
Chloride	ND	500	ug/L								
Bromide	ND	200	"								
Nitrate as N	ND	50.0	"								
Sulfate	ND	1000	"								
LCS (BJ20286-BS1)								Prepared & Analyzed: 10/03/2012			
Chloride	9540	500	ug/L	10000		95.4	85-115				
Bromide	9830	200	"	10000		98.3	85-115				
Nitrate as N	9750	50.0	"	10000		97.5	90-110				
Sulfate	9760	1000	"	10000		97.6	85-115				
Reference (BJ20286-SRM1)								Prepared & Analyzed: 10/03/2012			
Chloride	9.25		mg/L	9.14		101	90-110				
Nitrate as N	12.4		"	12.7		97.5	90-110				
Bromide	1.86		"	1.84		101	90-110				
Sulfate	18.8		"	18.5		102	90-110				
Batch BJ20346 - EPA 300											
Blank (BJ20346-BLK1)								Prepared & Analyzed: 10/04/2012			
Sulfate	ND	1000	ug/L								
LCS (BJ20346-BS1)								Prepared & Analyzed: 10/04/2012			
Sulfate	9820	1000	ug/L	10000		98.2	85-115				
Reference (BJ20346-SRM1)								Prepared & Analyzed: 10/05/2012			
Sulfate	19.0		mg/L	18.5		103	90-110				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20156 - Analysis Preparation											
Blank (BJ20156-BLK1)								Prepared: 10/03/2012 Analyzed: 10/08/2012			
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1000	ug/L								
Duplicate (BJ20156-DUP1)	*Source sample: 12J0125-03 (DCB-MW-3S)							Prepared: 10/03/2012 Analyzed: 10/08/2012			
Biochemical Oxygen Demand (BOD) (5-Day)	9000	1000	ug/L		8000				11.8	40	
Batch BJ20207 - EPA 3010A											
Blank (BJ20207-BLK1)								Prepared & Analyzed: 10/03/2012			
Hardness, Total	ND	1000	ug/L								
Duplicate (BJ20207-DUP1)	*Source sample: 12J0125-03 (DCB-MW-3S)							Prepared & Analyzed: 10/03/2012			
Hardness, Total	638000	1000	ug/L		636000				0.314	20	
Batch BJ20243 - Analysis Preparation											
Blank (BJ20243-BLK1)								Prepared & Analyzed: 10/04/2012			
Phenols, total	ND	50.0	ug/L								
LCS (BJ20243-BS1)								Prepared & Analyzed: 10/04/2012			
Phenols, total	1050	50.0	ug/L	1000		105	67-116				
Duplicate (BJ20243-DUP1)	*Source sample: 12J0125-01 (DCB-MW-1S)							Prepared & Analyzed: 10/04/2012			
Phenols, total	ND	50.0	ug/L		ND					15	
Matrix Spike (BJ20243-MS1)	*Source sample: 12J0125-01 (DCB-MW-1S)							Prepared & Analyzed: 10/04/2012			
Phenols, total	992	50.0	ug/L	1000	ND	99.2	64.9-118				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20251 - Analysis Preparation											
Blank (BJ20251-BLK1)									Prepared: 10/04/2012 Analyzed: 10/05/2012		
Total Organic Carbon (TOC)	ND	1000	ug/L								
LCS (BJ20251-BS1)									Prepared: 10/04/2012 Analyzed: 10/05/2012		
Total Organic Carbon (TOC)	49.2		mg/L	49.0		100	79.5-125.1				
Batch BJ20306 - Analysis Preparation											
Blank (BJ20306-BLK1)									Prepared & Analyzed: 10/05/2012		
Chemical Oxygen Demand (COD)	ND	10000	ug/L								
LCS (BJ20306-BS1)									Prepared & Analyzed: 10/05/2012		
Chemical Oxygen Demand (COD)	92000	10000	ug/L	100000		91.7	79-128				
Batch BJ20314 - Analysis Preparation											
Blank (BJ20314-BLK1)									Prepared & Analyzed: 10/05/2012		
Alkalinity, total	ND	2000	ug/L								
Reference (BJ20314-SRM1)									Prepared & Analyzed: 10/05/2012		
Alkalinity, total	110		mg/L	114		99.7	90.4-110				
Batch BJ20466 - Analysis Preparation											
Blank (BJ20466-BLK1)									Prepared & Analyzed: 10/10/2012		
Total Kjeldahl Nitrogen	ND	100	ug/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ20466 - Analysis Preparation											
LCS (BJ20466-BS1)								Prepared & Analyzed: 10/10/2012			
Total Kjeldahl Nitrogen	9820	100	ug/L	10000		98.2	80-120				
Batch BJ20467 - Analysis Prep for SAA											
Blank (BJ20467-BLK1)								Prepared: 10/09/2012 Analyzed: 10/10/2012			
Ammonia Nitrogen as N	ND	50.0	ug/L								
LCS (BJ20467-BS1)								Prepared: 10/09/2012 Analyzed: 10/10/2012			
Ammonia Nitrogen as N	1020	50.0	ug/L	1000		102	85-115				

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12J0125

YOUR Information	**Report To:**	**Invoice To:**
Company: CHAZEN	Company: CHAZEN	Company: CHAZEN
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person: ERIC ORLOWSKI	Attention:	Attention: ACCTS PAYABLE
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: 81030.00 DC Bakehill

Purchase Order No.: P14029

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) X

Report Type/Deliverbles
- Summary Report X
- Summary w/ QA Summary ___
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B Package ___
- *Electronic Deliverables:*
- EDD (Specify Type) ___
- Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Eric Orlowski
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ___
Lab to Filter ___

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
DCB-MW-1S	10/1/2012 1315	GW	PART 360 ROUTINE PARAMETERS + TURBIDITY	VARIOUS
DCB-MW-2	1513			
DCB-MW-3S	1550			

Preservation Check those Applicable: 4°C X Frozen ___ HCl ___ MeOH ___ HNO3 X H2SO4 X NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Comments
PLEASE ALSO ANALYZE FOR DISSOLVED METALS AT DCB-MW-1S ONLY, USING EXTRA UNPRESERVED ALIQUOT. THANK YOU.

Samples Relinquished By	10/2/10 1050	Samples Received By	10-2-12 10:50
Samples Relinquished By	Date/Time	Samples Received in LAB by	10/2/12-1640 Date/Time

Temperature on Receipt 3.8 °C

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Report Date: 12/13/2012
Client Project ID: 81030.00 DC Balefill
York Project (SDG) No.: 12L0205

Report Date: 12/13/2012
Client Project ID: 81030.00 DC Balefill
York Project (SDG) No.: 12L0205

Chazen Environmental Services (Poughkeepsie)
21 Fox Street
Poughkeepsie NY, 12601
Attention: Eric Orlowski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 06, 2012 and listed below. The project was identified as your project: **81030.00 DC Balefill**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12L0205-01	DCB-MW-1S	Water	12/05/2012	12/06/2012
12L0205-02	DCB-MW-2	Water	12/05/2012	12/06/2012
12L0205-03	DCB-MW-3S	Water	12/05/2012	12/06/2012

General Notes for York Project (SDG) No.: 12L0205

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 12/13/2012

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12L0205-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 3:51 pm	12/06/2012

Cadmium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00190	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Cadmium, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00190	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Calcium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**258**		mg/L	0.0190	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Calcium, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**94.5**		mg/L	0.0190	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Iron by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**16.9**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Iron, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Lead by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.0454**		mg/L	0.00220	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Lead, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Magnesium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**57.2**		mg/L	0.0100	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12L0205-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 3:51 pm	12/06/2012

Magnesium, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**29.8**		mg/L	0.0100	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Manganese by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**5.26**		mg/L	0.00200	0.00500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Manganese, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**0.453**		mg/L	0.00200	0.00500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Potassium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**4.35**		mg/L	0.0261	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Potassium, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**0.851**		mg/L	0.0261	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Sodium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**11.2**		mg/L	0.0606	0.100	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:07	MW

Sodium, Dissolved by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**10.5**		mg/L	0.0606	0.100	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:02	MW

Total Dissolved Solids

Log-in Notes: Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**451**		mg/L	1.00	1.00	1	SM 2540C	12/10/2012 08:49	12/10/2012 08:49	ALD

Turbidity

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**7750**		NTU	0.00	0.500	10	EPA 180.1	12/07/2012 10:54	12/07/2012 10:54	AD

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12L0205-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 3:51 pm	12/06/2012

Bromide

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		mg/L	0.0330	0.200	1	EPA Method 300.0	12/07/2012 13:56	12/07/2012 13:56	AMC

Chloride

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**2.60**		mg/L	0.0690	0.500	1	EPA Method 300.0	12/07/2012 13:56	12/07/2012 13:56	AMC

Nitrate (as N)

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0120	0.0500	1	EPA 300	12/07/2012 13:56	12/07/2012 13:56	AMC

Sulfate as SO4

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**63.7**		mg/L	0.860	10.0	10	EPA Method 300.0	12/10/2012 16:53	12/10/2012 16:53	AD

Alkalinity, Total

Log-in Notes: Sample Notes: **BTL-X**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**530**		mg/L	0.90	2.0	1	SM 2320B	12/12/2012 09:37	12/12/2012 09:37	AMC

Ammonia (as N)

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**0.0840**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	12/12/2012 10:33	12/13/2012 07:38	ALD

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**4.5**	BOD-D	mg/L	1.0	1.0	1	SM 5210 B	12/07/2012 09:26	12/12/2012 13:16	SC

Chemical Oxygen Demand (COD)

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**430**		mg/L	10	10	1	SM 5220 B	12/10/2012 14:21	12/10/2012 14:21	AA

Hardness, total (as CaCO3)

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**880**		mg/L	1.00	1.00	1	EPA 200.7	12/10/2012 15:43	12/10/2012 20:07	MW

Sample Information

Client Sample ID: DCB-MW-1S **York Sample ID:** 12L0205-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 3:51 pm	12/06/2012

Phenols, total **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	12/10/2012 13:38	12/10/2012 13:38	AMC

Total Kjeldahl Nitrogen(TKN) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**2.26**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	12/12/2012 10:29	12/13/2012 12:45	ALD

Total Organic Carbon **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.52**		mg/L	1.00	1.00	1	SM 5310C	12/07/2012 10:39	12/10/2012 11:48	SC

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12L0205-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:00 pm	12/06/2012

Cadmium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00190	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Calcium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**62.5**		mg/L	0.0190	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Iron by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**65.4**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Lead by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00220	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Magnesium by EPA 6010 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12L0205-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:00 pm	12/06/2012

Magnesium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**15.5**		mg/L	0.0100	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Manganese by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**15.5**		mg/L	0.0200	0.0500	10	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Potassium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**3.67**		mg/L	0.0261	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Sodium by EPA 6010

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**12.0**		mg/L	0.0606	0.100	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:11	MW

Total Dissolved Solids

Log-in Notes: Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**424**		mg/L	1.00	1.00	1	SM 2540C	12/10/2012 08:49	12/10/2012 08:49	ALD

Turbidity

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**95.0**		NTU	0.00	0.0500	1	EPA 180.1	12/07/2012 10:54	12/07/2012 10:54	AD

Bromide

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	Bromide	ND		mg/L	0.0330	0.200	1	EPA Method 300.0	12/07/2012 14:11	12/07/2012 14:11	AMC

Chloride

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**12.1**		mg/L	0.0690	0.500	1	EPA Method 300.0	12/07/2012 14:11	12/07/2012 14:11	AMC

Nitrate (as N)

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0120	0.0500	1	EPA 300	12/07/2012 14:11	12/07/2012 14:11	AMC

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12L0205-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:00 pm	12/06/2012

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	Sulfate	ND		mg/L	0.0860	1.00	1	EPA Method 300.0	12/07/2012 14:11	12/07/2012 14:11	AMC

Alkalinity, Total

Log-in Notes: **Sample Notes:** **BTL-X**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**340**		mg/L	0.90	2.0	1	SM 2320B	12/12/2012 09:37	12/12/2012 09:37	AMC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**3.18**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	12/12/2012 10:33	12/13/2012 07:38	ALD

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**27**		mg/L	1.0	1.0	1	SM 5210 B	12/07/2012 09:26	12/12/2012 13:16	SC

Chemical Oxygen Demand (COD)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**35**		mg/L	10	10	1	SM 5220 B	12/10/2012 14:21	12/10/2012 14:21	AA

Hardness, total (as CaCO3)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**220**		mg/L	1.00	1.00	1	EPA 200.7	12/10/2012 15:43	12/10/2012 20:11	MW

Phenols, total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	12/10/2012 13:38	12/10/2012 13:38	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**3.32**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	12/12/2012 10:29	12/13/2012 12:45	ALD

Total Organic Carbon

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.56**		mg/L	1.00	1.00	1	SM 5310C	12/07/2012 10:39	12/10/2012 11:48	SC

Sample Information

Client Sample ID: DCB-MW-2 **York Sample ID:** 12L0205-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:00 pm	12/06/2012

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12L0205-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:57 pm	12/06/2012

Cadmium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00190	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Calcium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	**Calcium**	**233**		mg/L	0.0190	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Iron by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**29.0**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Lead by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**0.00526**		mg/L	0.00220	0.00300	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Magnesium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	**Magnesium**	**55.2**		mg/L	0.0100	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Manganese by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**19.2**		mg/L	0.00200	0.00500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Potassium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	**Potassium**	**11.5**		mg/L	0.0261	0.0500	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12L0205-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:57 pm	12/06/2012

Sodium by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**18.3**		mg/L	0.0606	0.100	1	EPA SW846-6010B	12/10/2012 15:43	12/10/2012 20:16	MW

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**1040**		mg/L	1.00	1.00	1	SM 2540C	12/10/2012 08:49	12/10/2012 08:49	ALD

Turbidity

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Turbidity	**290**		NTU	0.00	0.0500	1	EPA 180.1	12/07/2012 10:54	12/07/2012 10:54	AD

Bromide

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
24959-67-9	**Bromide**	**0.629**		mg/L	0.0330	0.200	1	EPA Method 300.0	12/07/2012 14:25	12/07/2012 14:25	AMC

Chloride

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**19.6**		mg/L	0.0690	0.500	1	EPA Method 300.0	12/07/2012 14:25	12/07/2012 14:25	AMC

Nitrate (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	0.0120	0.0500	1	EPA 300	12/07/2012 14:25	12/07/2012 14:25	AMC

Sulfate as SO4

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**165**		mg/L	0.860	10.0	10	EPA Method 300.0	12/10/2012 17:07	12/10/2012 17:07	AD

Alkalinity, Total

Log-in Notes: **Sample Notes:** **BTL-X**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Alkalinity, total	**710**		mg/L	0.90	2.0	1	SM 2320B	12/12/2012 09:37	12/12/2012 09:37	AMC

Ammonia (as N)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7664-41-7	**Ammonia Nitrogen as N**	**1.93**		mg/L	0.0500	0.0500	1	SM-4500-NH3-G	12/12/2012 10:33	12/13/2012 07:38	ALD

Sample Information

Client Sample ID: DCB-MW-3S **York Sample ID:** 12L0205-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12L0205	81030.00 DC Balefill	Water	December 5, 2012 2:57 pm	12/06/2012

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Biochemical Oxygen Demand (BOD) (5-Day)	**14**		mg/L	1.0	1.0	1	SM 5210 B	12/07/2012 09:26	12/12/2012 13:16	SC

Chemical Oxygen Demand (COD)

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Chemical Oxygen Demand (COD)	**72**		mg/L	10	10	1	SM 5220 B	12/10/2012 14:21	12/10/2012 14:21	AA

Hardness, total (as CaCO3)

Log-in Notes: Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Hardness, Total	**809**		mg/L	1.00	1.00	1	EPA 200.7	12/10/2012 15:43	12/10/2012 20:16	MW

Phenols, total

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	Phenols, total	ND		mg/L	0.0500	0.0500	1	EPA 420.1/2	12/10/2012 13:38	12/10/2012 13:38	AMC

Total Kjeldahl Nitrogen(TKN)

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**3.18**		mg/L	0.100	0.100	1	SM 4500-N (Org)B	12/12/2012 10:29	12/13/2012 12:45	ALD

Total Organic Carbon

Log-in Notes: Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**11.6**		mg/L	1.00	1.00	1	SM 5310C	12/07/2012 10:39	12/10/2012 11:48	SC

Notes and Definitions

BTL-X NON-COMPLIANT - The sample was received in an inproper container and/or with improper sampling techique.

BOD-D The oxygen depletion from the dilution(s) used to report the BOD result was less than 2.0 mg/L. The data user should take note that the data is qualified as estimated.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12L0205

YOUR Information	**Report To:**	**Invoice To:**
Company: CHAZEN	Company: CHAZEN	Company: CHAZEN
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person: ERIC ORLOWSKI	Attention:	Attention: ACCTS PAYABLE
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: 81030.00 DC Bdefill

Purchase Order No.: P 14300

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type/Deliverbles
- Summary Report X
- Summary w/ QA Summary ___
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B Package ___
- *Electronic Deliverables:*
- EDD (Specify Type) ___
- Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Eric J. Orlowski
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
DCB-MW-1S	12/5/12 1551	GW	PART 360 ROUTINE PARAMETERS + TURBIDITY	VARIOUS
DCB-MW-2	1400			
DCB-MW-3S	1457			
			* PLEASE ANALYZE ONLY SAMPLE DCB-MW-1S FOR BOTH TOTAL & DISSOLVED METALS. *	

Comments

Preservation Check those Applicable: 4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 X H_2SO_4 X NaOH ___ ZnAc ___ Ascorbic Acid ___ Other

Katherine Landi — Samples Relinquished By — 11-13 12-6 Date/Time

___ — Samples Relinquished By — Date/Time

Chris — Samples Received By — 12-6-12 11:20 Date/Time

J. Lin — Samples Received in LAB by — 12/6/12-1520 Date/Time

Temperature on Receipt 4.6 °C