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SEVERN TRENT SERVICES

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September 11, 2000

FILE

Project name Riverdale

Project number 496201

Category Tech

Ms. Rae Mindock
RMT, Inc.
222 South Riverside Plaza, Suite 820
Chicago, IL 60606

RE: Riverdale Chemical
Additional Wet Chemistry Data
Job # 9A08G466

Dear Ms. Mindock:

The enclosed revised analytical report is for the project and lot number listed above. As requested, Wet Chemistry parameters have been added. If you have any questions, please contact me at 708-534-5200.

Sincerely,

Severn Trent Laboratories

Eric A. Lang
Project Manager

sj

Enclosures

The results presented in this report relate only to the analytical testing and conditions of sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Severn Trent Laboratories Chicago
INORGANIC ANALYTICAL DATA PACKAGE FOR
RMT-Riverdale Chemical

LABORATORY CHRONICLE

LOT # :9A08G466

CLIENT ID /ANALYSIS	Sample #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
DSL 1							
REACTIVE CYANIDE	001	S	80GCN133	08/23/00	08/23/00	09/07/00	09/07/00
FLASH POINT CLOSED C	001	S	80GMB064	08/23/00	08/23/00	09/11/00	09/11/00
FLASH POINT	001 REP	S	80GMB064	08/23/00	08/23/00	09/11/00	09/11/00
PAINT FILTER	001	S	80GMB065	08/23/00	08/23/00	09/11/00	09/11/00
PAINT FILTER	001 REP	S	80GMB065	08/23/00	08/23/00	09/11/00	09/11/00
PH	001	S	80GPH217	08/23/00	08/23/00	09/07/00	09/07/00
PH	001 REP	S	80GPH217	08/23/00	08/23/00	09/07/00	09/07/00
TOTAL PHENOLICS	001	S	80GPE051	08/23/00	08/23/00	09/07/00	09/07/00
REACTIVE SULFIDE	001	S	80GSF077	08/23/00	08/23/00	09/11/00	09/11/00
SULFATE	001	S	80GSA046	08/23/00	08/23/00	09/07/00	09/07/00
DSL 2							
REACTIVE CYANIDE	004	S	80GCN133	08/23/00	08/23/00	09/07/00	09/07/00
FLASH POINT CLOSED C	004	S	80GMB064	08/23/00	08/23/00	09/11/00	09/11/00
PAINT FILTER	004	S	80GMB065	08/23/00	08/23/00	09/11/00	09/11/00
PH	004	S	80GPH217	08/23/00	08/23/00	09/07/00	09/07/00
TOTAL PHENOLICS	004	S	80GPE051	08/23/00	08/23/00	09/07/00	09/07/00
REACTIVE SULFIDE	004	S	80GSF077	08/23/00	08/23/00	09/11/00	09/11/00
Reactive Sulfide Spi	004 MS	S	80GSF077	08/23/00	08/23/00	09/11/00	09/11/00
Reactive Sulfide Rep	004 MSD	S	80GSF077	08/23/00	08/23/00	09/11/00	09/11/00
SULFATE	004	S	80GSA046	08/23/00	08/23/00	09/07/00	09/07/00
SULFATE	004 MS	S	80GSA046	08/23/00	08/23/00	09/07/00	09/07/00

LAB QC:

REACTIVE CYANIDE	LCS BS	W	80GCN133	N/A	N/A	09/07/00	09/07/00
REACTIVE CYANIDE	MB1	W	80GCN133	N/A	N/A	09/07/00	09/07/00
PHENOLICS	LCS BS	W	80GPE051	N/A	N/A	09/07/00	09/07/00
TOTAL PHENOLICS	MB1	W	80GPE051	N/A	N/A	09/07/00	09/07/00
Reactive Sulfide Spi	LCS BS	W	80GSF077	N/A	N/A	09/11/00	09/11/00
REACTIVE SULFIDE	MB1	W	80GSF077	N/A	N/A	09/11/00	09/11/00
SULFATE	LCS BS	W	80GSA046	N/A	N/A	09/07/00	09/07/00
SULFATE	MB1	W	80GSA046	N/A	N/A	09/07/00	09/07/00

SIGNATURE Diane L. Harper DATE 9-11-00

According to 40CFR Part 136.3, pH, Sulfite, Chlorine Residual and Dissolved Oxygen analysis must be performed immediately after aqueous sample collection. When these parameters are not indicated above in the "CLIENT ID/ANALYSIS" column as "FIELD" (e.g.,"PH, FIELD") they were not analyzed immediately, but as soon as possible on day of receipt.

Severn Trent Laboratories Chicago
WET CHEMISTRY METHOD REFERENCE

The following methods are used as reference for the analysis of samples contained with Sample Lot: 9A086466

PARAMETER	EPA 600	STANDARD METHODS	SW-846	OTHER
Acidity	__305.1	__2310B		
Alkalinity,Total,Carbonate, Bicarbonate	__310.1	__2320B		
Ammonia (Dist/Nesslers)	__350.2	__4500NH_3B+C		
Biochemical Oxygen Demand	__405.1	__5210B		
Bottom Sediment & Water				__ASTM D4007
BTU				__ASTM D240
Bromide	__300.0	__4110B	__9056	
Bromine	__300.0 Detection		__5050 Prep	
Chemical Oxygen Demand				__HACH 8000
Chloride	__325.2	__4500C1E	__9251	
	__300.0	__4110B	__9056	
Chlorine (O_2Bomb)	__300.0 Detection		__5050 Prep	__ISE Detection
Chlorine, Residual	__330.4	__4500C1F		
Chromium VI		__3500CrD	__3060A Digest.	
			__7196A	
Color	__110.2	__2120B		
Corrosivity, pH	__150.1		__9045C - Waste pH in Water	
			__9040B	
Corrosivity, Langlier		__2330A+B		
Cyanide, Amenable	__335.1	__4500CNG	__9010B / 9014	__ Calculation
Cyanide, Weak, Dissociable		__4500CNI		__ Calculation
Cyanide, Reactive			✓7.3.3.2	
Cyanide, Total	__335.2	__4500CNC, E	__9010B / 9014	__ILM03.0/4.0
Density/Specific Gravity		__2710F		__ASTM D1298
				__ASTM D5057
Flashpoint			✓1010	__ASTM D93
				__ASTM D92
Ferrous Iron		__3500 FeD		
Fluoride, Undistilled	__340.2	__4500 FC		
(Distilled – Data Comparability Study Available)	__300.0		__9056	
Fluorine	__340.2 Detection		__5050 Prep	
	__300.0 Detection			
Hardness	__130.2 (EDTA)	__2340C (EDTA)		
		__2340B (Calc)		
Heavy Metals				__USP 231
Ignitability			__Sec. 7	__ASTM D-4982A
MBAS (Surfactants)	__425.1	__5540 C		
Nitrate/Nitrite	__353.2	__4500NO_3F		
Nitrate	__353.2 -354.1	__4500NO_3F-NO_2		
	__300.0	__4110B	__9056	
Nitrite	__354.1	__4500NO_2B		
	__300.0	__4110B	__9056	
Odor	__140.1	__2150B		

Severn Trent Laboratories Chicago
WET CHEMISTRY METHOD REFERENCE

The following methods are used as reference for the analysis of samples contained with Sample Lot: 9408-466

PARAMETER	EPA 600	STANDARD METHODS	SW-846	OTHER
Oil & Grease	__413.1	__5520B	__9070	__1664
Oil & Grease, Soxhlet			__9071A(Hexane)	
Oxygen, Dissolved	__360.1 Electrode	__4500OG		
	__360.2 Winkler	__4500OC		
Paint Filters (Free Liquid)			✓9095A	
Petroleum Hydrocarbons		__5520F	__9071A Extract.	
pH, Water	__150.1	__4500H⁺B	__9040B	
pH, Soil			✓9045C – Waste/Soil pH in Water	
			__9041A Paper	
Phenolics	__420.2		✓9066	
Orthophosphate as P	__365.2	__4500PE	__9056	
	__300.0	__4110B		
Phosphorus as P	__365.2	__4500PE		
		__4500PE4e(Soil)		
Residue on Evaporation 180C	__160.1 Modified	__2540C Modified		
Solids, Settleable	__160.5	__2540F		
Solids, Total	__160.3	__2540B		
Solids, Total Dissolved	__160.1	__2540C		
Solids, Total Suspended	__160.2	__2540D		
Solids, Total Volatile	__160.4	__2540E		
Solids, Dissolved Volatile	__160.4	__2540E		
Solids, Suspended Volatile	__160.4	__2540E		
Soluble Organic Carbon	__415.1	__5310C		
Specific Conductance	__120.1	__2510B	__9050A	
Sulfate	✓375.4 Mod.	__4500SO_4^{2-}E	__9038 Mod.	
	__300.0	__4110B	__9056	
Sulfide	__376.1	__4500S^2E	__9030A Mod	
			__9030B / 9034	
Sulfide, Reactive			✓7.3.4.2	
Sulfur	__375.4 Detection		__5050Prep	
	__300.0 Detection			
Total Kjeldahl Nitrogen	__351.3	__4500N_{ORG}C		
Total Inorganic Carbon	__415.1	__5310C		
Total Organic Carbon	__415.1	__5310C	__9060 Quads	__Lloyd Kahn
Total Organic Halogens		__5320B	__9020B	
Total Org Halogens on Waste	__325.2 Detection	__9020B Mod	__5050prep	__ISE Detection
	__300.0 Detection			
Turbidity	__180.1	__2130B		
Viscosity, Brookfield				__ASTM D2196
Viscosity, Kinematic				__ASTM D445

Comments:

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

RE: DSL 1
Project # 00000-000-000-0000
Lab ID: 9A08G466-001
Sample Date: 08/23/00
Date Received: 08/23/00

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Cyanide, Reactive	0.29	u	mg/kg	0.29
Flash Point, Closed Cup	>200		DEG F	
Vol Thru Filter	0.00		ML/100G	
pH	7.8		pH@19.2	+-0.20
Total Phenolics	0.36	u	mg/kg	0.36
Sulfide Reactive	29.1	u	mg/kg	29.1
Sulfate	58.1	u	mg/kg	58.1

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

RE: DSL 2
Project # 00000-000-000-0000
Lab ID: 9A08G466-004
Sample Date: 08/23/00
Date Received: 08/23/00

Inorganic Data Report

Parameters	Result		Units	Reporting Limit
Cyanide, Reactive	0.30	u	mg/kg	0.30
Flash Point, Closed Cup	>200		DEG F	
Vol Thru Filter	0.00		ML/100G	
pH	8.0		pH@18.5	+-0.20
Total Phenolics	8.1		mg/kg	0.40
Sulfide Reactive	26.7	u	mg/kg	26.7
Sulfate	58.7	u	mg/kg	58.7

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

Project # 00000-000-000-0000
Lab Batch: 9A08G466

Inorganic Method Blank Data Report

Sample	Lab ID	Parameter	Result		Units	Reporting Limit
Blank 1	80GCN133-MB1	Cyanide, Reactive	0.010	u	mg/L	0.010
Blank 1	80GPE051-MB1	Total Phenolics	0.0050	u	mg/L	0.0050
Blank 1	80GSF077-MB1	Sulfide Reactive	1.0	u	mg/L	1.0
Blank 1	80GSA046-MB1	Sulfate	5.0	u	mg/L	5.0

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

Project # 00000-000-000-0000
Lab Batch: 9A08G466

Inorganic Precision Data Report

Sample	Site ID	Parameter	Initial Result	Replicate	RPD
-001REP	DSL 1	Flash Point (REP)	>200	>200	NC
		Vol Thru Filter	0.00	0.00	0.00
		pH	7.8	7.8	0.0

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

Project # 00000-000-000-0000
Lab Batch: 9A08G466

Inorganic Laboratory Control Standards Report

Lab ID	Parameter	Spiked Amount	Units	Spike #1 % Recov.	Spike #2 % Recov.	RPD
80GCN133-LCS	Cyanide, Reactive	0.20	mg/L	25.0	NA	NA
80GPE051-LCS	Phenolics	0.10	mg/L	91.7	NA	NA
80GSF077-LCS	Sulfide Reactive	3.2	mg/L	53.6	NA	NA
80GSA046-LCS	Sulfate	20.0	mg/L	90.4	NA	NA

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

Project # 00000-000-000-0000
Lab Batch: 9A08G466

Inorganic Accuracy Data Report

Sample	Site ID	Parameter		Spiked Sample	Initial Result		Spiked Amount	% Recov
-004	DSL 2	Sulfide Reactive		12.8	26.7	u	94.1	13.7
		Sulfide Reactive	MSD	6.8	26.7	u	79.7	8.6
		Sulfate		540	58.7	u	472	114

To: RMT-Riverdale Chemical
222 South Riverside Plaza
Suite 820
Chicago, IL 60606

Attn: Ms. Heather Seus

Date: Monday September 11th, 2000

Project # 00000-000-000-0000
Lab Batch: 9A08G466

Inorganic Duplicate Spike Report

Sample	Site ID	Parameter	Spike #1 % Recov	Spike #2 % Recov	RPD
-004	DSL 2	Sulfide Reactive	13.7	8.6	200

Severn Trent Laboratories Chicago
INORGANIC ANALYTICAL DATA PACKAGE FOR
RMT-Riverdale Chemical

LABORATORY CHRONICLE

LOT # :9A08G466

CLIENT ID /ANALYSIS	Sample #	MTX	PREP #	COLLECTN	DATE REC	EXT/PREP	ANALYSIS
DSL 1							
% SOLIDS	001	S	9AGTS608	08/23/00	08/23/00	08/24/00	08/24/00
DSL 2							
% SOLIDS	004	S	9AGTS608	08/23/00	08/23/00	08/24/00	08/24/00

SIGNATURE [illegible] DATE 9/8/00

NY CERTIFICATION # 11006

Severn Trent Laboratories Chicago
METALS METHOD REFERENCE

The following methods are used as reference for the analysis of samples contained with this RFW Lot: 9A08G466

SW846	**__6010A __6010B** __Ag __Al __As __B __Ba __Be __Ca __Cd __Co __Cr __Cu __Fe __K __Li __Mg __Mn __Mo __Na __Ni __P __Pb __Sb __Se __Si __Sn __Sr __Ti __Tl __V __Zn __Ag7761 __As7060A __Cd7131A __Cr7191 __Cu7211 __Hg7470A __Hg7471A __Pb7421 __Sb7041 __Se7740 __Tl7841 __CN 9010A __CN 9010B/9014
EPA	**200.7** __Ag __Al __As __B __Ba __Be __Ca __Cd __Co __Cr __Cu __Fe __K __Li __Mg __Mn __Mo __Na __Ni __P __Pb __Sb __Se __Si __Sn __Sr __Ti __Tl __V __Zn __Ag272.2 __As206.2 __Cd213.2 __Cr218.2 __Cu220.2 __Hg245.1 __Hg245.5 __Pb239.2 __Sb204.2 __Se270.2 __Tl279.2 **200.9** __As __Cd __Pb __Sb __Se __Tl
CLP **ILM04.0**	**200.7 CLP-M** __Ag __Al __As __B __Ba __Be __Ca __Cd __Co __Cr __Cu __Fe __K __Li __Mg __Mn __Mo __Na __Ni __P __Pb __Sb __Se __Si __Sn __Sr __Ti __Tl __V __Zn __As206.2 __Cd213.2 __Hg245.1 __Hg245.5 __Pb239.2 __Sb204.2 __Se270.2 __Tl279.2 __CN335.2
Digestion Method	**SW846** __3005A __3010A __3020A __3020A(+H_2O_2) __3050A __7060A/7740 __7470A __7471A __3050B **EPA** __200.7 __200.0(+H_2O_2) __200.9(-HCL;+H_2O_2) **USEPA/CLP** __ILM04.0 Exhibit D, Section III
Extraction Method	**SW846** __1311TCLP __1312SPLP __1320MEP Using TCLP **ASTM** **CAM Title 22** __D3987 Neutral Leach __W.E.T.
%Solids	✓SM 2540G __ASTM D2216 __Exhibit D Part F

STL Chicago

INORGANICS DATA SUMMARY REPORT 09/08/00

CLIENT: RMT-Riverdale Chemical
WORK ORDER: 00000-000-000-0000-00-000

RECRA LOT #: 9A08G466

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT
-001	DSL 1	% Solids	85.0	%	0.10
-004	DSL 2	% Solids	83.5	%	0.10