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WARZYN

Report
Project No. 60128

Remedial Investigation
WRR RI/FS Site
Columbia City, Indiana
Volume III of III

Prepared for:

WRR RI/FS PRP Group

Prepared by:

Warzyn Engineering Inc.
Chicago, Illinois

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APPENDIX J

ANALYTICAL RESULTS

APPENDIX J

This appendix lists results of analyses performed on samples collected at and in the vicinity of the Wayne Reclamation and Recycling Site. The appendix is subdivided into the following sub-sections:

J-1	Sediment Results
J-2	Surface Water Results
J-3	Phase I Groundwater Results
J-4	Phase II Groundwater Results
J-5	Water Supply Well Results
J-6	Phase I Soil Results
J-7	Phase II Soil Results
J-8	Surface Soil Results
J-9	Field pH and Conductivity Results
J-10	Elevated Detection Limits
J-11	Unusable Data

In each sub-section, values are reported for sampling locations at which the measurement methods used provided measurable quantities of target analytes.

COMPOUND GROUP DESIGNATIONS

The following group designations are used within tables in each sub-section.

VOC	Volatile Organic Compounds
SVOC	Semi-Volatile Organic Compounds
P/PCB	Pesticides and PCBs
MTL	Metals and Cyanide
IND	Indicator Parameters
TVOA	Tentatively Identified Volatile Organic Compounds
TBNA	Tentatively Identified Semi-Volatile Organic Compounds

Lists of target compounds making up the VOC, SVOC, P/PCB and MTL groupings are attached.

Data Qualifiers

Data quality is assessed based on the laboratory and field quality control (QC) criteria as described in the WRR RI/FS Quality Assurance Project Plan (QAPP). Qualified data are flagged by the performing laboratory and/or by Warzyn personnel during the data validation process. Data qualifiers have letter or symbol codes as outlined below. If data are qualified, the qualifiers are presented with results. The data validation qualifiers (DVQ) and laboratory qualifiers (LQ) are presented with the data as separate columns.

Laboratory Qualifier Definitions

The following qualifiers were used by laboratories performing the analyses of samples from the WRR site. The qualifiers defined below are presented in the LQ column with the associated value.

Laboratory Qualifiers for Organic Analyses

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the Contract Required Quantitation Limit (CRQL) but greater than zero.

B - This flag is used when the analyte is found in the associated blank at less than 5 times the CRQL as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.

Compounds flagged "B" by the laboratory may be further flagged or considered "not positive" by the data validation process.

U - Indicates compound was analyzed for but not detected. The sample quantification limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture.

Compounds flagged "U" are not considered positive and are not included in data summaries. CRQL and sample dilution factors (where applicable) are provided in this Appendix.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed. If the dilution of the extract cause any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported.

Data flagged "E" are replaced with the values from the dilution analysis (See "D" below) and are not included in data summaries. Note: in several instances the laboratory reported data flagged "E", in which samples were not subsequently diluted. In those instances, the value is further qualified by the data validation as estimated.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

A - This flag indicates that a TIC is a suspected aldol condensation product.

X - This flag was applied to semi-volatile data which were calculated manually (as opposed to computer generated) by the laboratory.

P+G - These flags were used by the laboratory to indicate that the associated compound was identified and quantified below the CRQL for the pesticide/PCB fraction. Since the CLP does not provide for this, professional judgment by the lab is implied.

Laboratory Qualifiers for Inorganic Analyses

K - This flag is applied to a value greater than or equal to the instrument detection limit but less than the CLP Contract Required Detection Limit (CRDL)

U - Indicates element was analyzed for but not detected. Reported with the instrument detection limit value (e.g., 10U). These values are not considered positive and are not included in data summaries.

E - Indicates a value estimated due to the presence of interference.

S - Indicates value determined by Method of Standard Addition.

N - Indicates spike sample recovery is not within control limits.

* - Indicates duplicate analysis is not within control limits.

+ - Indicates the correlation coefficient for method of standard addition is less than 0.995.

W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

Data Validation Qualifier Definitions

The following qualifiers were used by Warzyn personnel in the review and validation of laboratory results. Field QC samples (trip blanks, field blanks, field duplicates) are also evaluated during the data validation process. Assessment of organics data was performed using guidelines developed in Technical Directive Document No. HQ-8410-01, Laboratory Data Validation, Functional Guidelines for Evaluating Organic Analyses, February 1988. Inorganics data assessment was performed based on guidelines in Laboratory Data Validation, Functional Guideline for Evaluating Inorganic Analyses, November 1985.

The data validation process is performed with project needs specific to the WRR Site in mind. Data quality objectives and intended data usage as outlined in the WRR Quality Assurance Project Plan were referenced. The data validation qualifiers defined below are presented with the data in this Appendix under the "DVQ" column.

Data Validation Qualifiers for Organic Analyses

J The associated numerical value is an estimated quantity, because quality control criteria were not met and/or because the value was less than the contract required quantitation limit (CRQL). Tentatively identified compounds (TIC) are flagged as estimated (J).

UJ The associated numerical value is an estimated quantitation limit. Compounds flagged UJ are not considered positive and are not included in data summaries.

R Quality Control indicates the data are not usable (compound may or may not be present). Data qualified as unusable are not included in data summaries or interpretations, however, they are presented in this Appendix. Note that some compounds flagged U (less than CRQL) by the laboratory were determined not usable by the Data Validation process. 2-Butanone was flagged R in a number of soil and water samples due to poor laboratory QC for this compound. This is a common occurrence in volatile analysis by CLP procedures. Two Phase I soil boring samples and three surface soil samples had pesticide/PCB compounds flagged R due to matrix interference. Chlorinated ethene compounds were flagged R in two municipal well, two private well, and two associated trip blank samples analyzed for volatiles during Phase II due to cross-contamination in the laboratory. These locations were resampled at a later date and found to be free of detectable levels of these compounds.

B Indicates compound was also detected in laboratory blanks. Values are

reported and flagged B only when they are greater than 5 times the concentration detected in the lab blank (10 times for common laboratory contaminants: acetone, methylene chloride, 2-butanone, toluene and common phthalate esters). Values less than 5 (or 10) times the blank concentrations are flagged as estimated quantitation limit (UJ) and are not reported.

Data Qualifiers for Inorganic Analyses

J The associated numerical value is an estimated quantity, because quality control criteria were not met.

R Quality control indicates that the data are not usable (compound may or may not be present). As with the organics data, inorganic data determined not usable are shown in this Appendix, but are not included in the data summaries or interpretations. Aluminum, antimony and sodium were flagged R in 26 Phase I soil boring samples. Arsenic and manganese were flagged R in 17, and selenium in 15 Phase I soil boring samples. Arsenic and lead results were not usable in one river sediment sample. During Phase II analyses selenium results were not usable in the two soil boring samples and duplicate analyzed for TCL metals. The above data were determined not usable due to laboratory QC failing validation criteria.

B Element detected in laboratory blank at concentration in excess of instrument detection limit but less than CRDL.

Generally the laboratory and data validation qualifiers can be summarized as follows. Two general types of laboratory qualifiers have been utilized with the WRR data:

1) Lab qualifiers alerting the data reviewer that alternative methods of sample analysis or data reduction were utilized (e.g., manual calculations, methods of standard additions). These flags allow the data reviewer to backcheck the calculations, etc., performed by the lab.

2) Lab qualifiers indicating that CLP quality criteria were not met and that the usability of the associated data may be limited (i.e., blank contamination, poor spike recoveries, etc.). These data will be closely reviewed during the data validation process. Based on the EPA guidelines described above and the final intended data use, the laboratory qualified data will be assessed as: acceptable without further qualification, acceptable with qualification, below elevated quantitation limits (blank contamination), or not usable (R)

Only data flagged R are considered totally unusable. These data are contained in Appendix J-10. The remaining data, summarized in Appendices J-1 through J-9, are of sufficient quality to be used for interpretation and will support the conclusions contained in this report.

J-1

SEDIMENT RESULTS

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SD003-01						
	MTL	Aluminum	5710.000	mg/kg		
	MTL	Arsenic	8.300	mg/kg		S
	MTL	Barium	55.900	mg/kg		K
	MTL	Beryllium	0.460	mg/kg		K
	MTL	Calcium	55500.000	mg/kg		
	MTL	Chromium, Total	12.200	mg/kg		
	MTL	Cobalt	5.500	mg/kg		K
	MTL	Copper	31.400	mg/kg		
	MTL	Iron	14000.000	mg/kg		
	MTL	Lead	8.300	mg/kg		N
	MTL	Magnesium	15600.000	mg/kg		
	MTL	Manganese	404.000	mg/kg		N
	MTL	Nickel	14.900	mg/kg		K
	MTL	Potassium	893.000	mg/kg		K
	MTL	Silver	1.800	mg/kg	J	KN
	MTL	Vanadium	17.900	mg/kg		K
	MTL	Zinc	64.500	mg/kg	J	E
	MTL	Cyanide, Total	34.100	mg/kg		
	P/PCB	AROCLOR-1254	200.000	ug/kg		PJ
	SVOC	bis(2-Ethylhexyl)phthalate	80.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	190.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	360.000	ug/kg		J
	TBNA	Unknown Alkane	260.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	210.000	ug/kg		J
	TBNA	Undecane, 2,3-dimethyl-	460.000	ug/kg		J
	TVOA	Unknown	180.000	ug/kg	J	
	VOC	Vinyl Chloride	270.000	ug/kg		
	VOC	1,1-Dichloroethane	1300.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	960.000	ug/kg		
	VOC	Chloroform	16.000	ug/kg		J
WR-SD005-01						
	MTL	Aluminum	5350.000	mg/kg		
	MTL	Arsenic	7.500	mg/kg		S
	MTL	Barium	54.800	mg/kg		K
	MTL	Calcium	45900.000	mg/kg		
	MTL	Chromium, Total	11.900	mg/kg		
	MTL	Cobalt	5.200	mg/kg		K
	MTL	Copper	42.800	mg/kg		
	MTL	Iron	12800.000	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Lead	8.100	mg/kg		N
	MTL	Magnesium	12500.000	mg/kg		
	MTL	Manganese	338.000	mg/kg		N
	MTL	Nickel	13.700	mg/kg		K
	MTL	Potassium	804.000	mg/kg		K
	MTL	Vanadium	15.200	mg/kg		K
	MTL	Zinc	79.000	mg/kg	J	E
	MTL	Cyanide, Total	34.300	mg/kg		
	P/PCB	AROCLOR-1254	160.000	ug/kg		PJ
	SVOC	bis(2-Ethylhexyl)phthalate	79.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	330.000	ug/kg		J
	TVOA	Unknown	9.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	10.000	ug/kg		
	VOC	Trichloroethene	27.000	ug/kg		
WR-SD005-91						
	MTL	Aluminum	4780.000	mg/kg		
	MTL	Arsenic	6.200	mg/kg		S
	MTL	Barium	48.000	mg/kg		K
	MTL	Cadmium	2.600	mg/kg		
	MTL	Calcium	45900.000	mg/kg		
	MTL	Chromium, Total	10.000	mg/kg		
	MTL	Cobalt	4.300	mg/kg		K
	MTL	Copper	25.700	mg/kg		
	MTL	Iron	11400.000	mg/kg		
	MTL	Lead	7.000	mg/kg		N
	MTL	Magnesium	11900.000	mg/kg		
	MTL	Manganese	328.000	mg/kg		N
	MTL	Nickel	12.100	mg/kg		K
	MTL	Potassium	785.000	mg/kg		K
	MTL	Vanadium	14.600	mg/kg		K
	MTL	Zinc	52.900	mg/kg	J	E
	MTL	Cyanide, Total	33.300	mg/kg		
	P/PCB	AROCLOR-1254	290.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	240.000	ug/kg		J
	TBNA	Octacosane	300.000	ug/kg		J
	TBNA	Undecane, 2-methyl-	290.000	ug/kg		J
	TBNA	17-Pentatriacontene	250.000	ug/kg		J
	VOC	Total 1,2-Dichloroethene	9.000	ug/kg		
	VOC	Trichloroethene	28.000	ug/kg		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SD006-01						
	MTL	Aluminum	3710.000	mg/kg		
	MTL	Arsenic	4.600	mg/kg		
	MTL	Barium	34.200	mg/kg		K
	MTL	Calcium	50100.000	mg/kg		
	MTL	Chromium, Total	7.600	mg/kg		
	MTL	Cobalt	3.800	mg/kg		K
	MTL	Copper	17.300	mg/kg		
	MTL	Iron	9630.000	mg/kg		
	MTL	Lead	5.800	mg/kg		N
	MTL	Magnesium	12700.000	mg/kg		
	MTL	Manganese	282.000	mg/kg		N
	MTL	Nickel	11.100	mg/kg		K
	MTL	Potassium	620.000	mg/kg		K
	MTL	Silver	1.400	mg/kg	J	KN
	MTL	Vanadium	11.800	mg/kg		K
	MTL	Zinc	40.700	mg/kg	J	E
	MTL	Cyanide, Total	32.200	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	81.000	ug/kg		J
	TBNA	Unknown	360.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	210.000	ug/kg		J
	TBNA	6,10,14-Hexadecatrien-1-ol	230.000	ug/kg		J
	VOC	Total 1,2-Dichloroethene	3.000	ug/kg		J
	VOC	Trichloroethene	4.000	ug/kg		J
WR-SD008-01						
	MTL	Aluminum	5220.000	mg/kg		
	MTL	Arsenic	12.400	mg/kg	J	N*
	MTL	Barium	55.700	mg/kg		K
	MTL	Beryllium	0.580	mg/kg	B	K
	MTL	Calcium	35600.000	mg/kg		*
	MTL	Chromium, Total	11.800	mg/kg		
	MTL	Cobalt	7.100	mg/kg		K
	MTL	Copper	16.500	mg/kg	B	
	MTL	Iron	21000.000	mg/kg		
	MTL	Lead	12.700	mg/kg		*
	MTL	Magnesium	11100.000	mg/kg		
	MTL	Manganese	391.000	mg/kg		
	MTL	Nickel	17.400	mg/kg		
	MTL	Potassium	952.000	mg/kg		K
	MTL	Vanadium	15.000	mg/kg		K
	MTL	Zinc	57.700	mg/kg	J	E

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Cyanide, Total	58.600	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	63.000	ug/kg		J
	TBNA	Unknown	1400.000	ug/kg		J
	TBNA	Unknown	290.000	ug/kg		J
	TBNA	Unknown Alkane	260.000	ug/kg		J
	TBNA	Octacosane	940.000	ug/kg		J
	TBNA	Eicosane, 10-methyl-	590.000	ug/kg		J
	TBNA	Undecane, 2-methyl-	250.000	ug/kg		J
	TBNA	Octadecanal	560.000	ug/kg		J
	VOC	2-Butanone	8.000	ug/kg		J
	VOC	Toluene	150.000	ug/kg		B
WR-SD009-01						
	MTL	Aluminum	8510.000	mg/kg		
	MTL	Arsenic	19.700	mg/kg	J	N*
	MTL	Barium	80.100	mg/kg		K
	MTL	Beryllium	0.850	mg/kg	B	K
	MTL	Calcium	66700.000	mg/kg		*
	MTL	Chromium, Total	15.000	mg/kg		
	MTL	Cobalt	7.100	mg/kg		K
	MTL	Copper	38.200	mg/kg	B	
	MTL	Iron	15300.000	mg/kg		
	MTL	Lead	133.000	mg/kg		
	MTL	Magnesium	12800.000	mg/kg		
	MTL	Manganese	357.000	mg/kg		
	MTL	Nickel	22.300	mg/kg		
	MTL	Potassium	1410.000	mg/kg		K
	MTL	Sodium	1110.000	mg/kg		K
	MTL	Vanadium	24.100	mg/kg		
	MTL	Zinc	103.000	mg/kg	J	E
	MTL	Cyanide, Total	38.700	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	3,7,11-Tridecatrienenitrile,4, 8,12-Trimethyl	570.000	ug/kg		J
	TBNA	Heptadecane, 2,6,10,15-Tetramethyl-	570.000	ug/kg		J
	VOC	2-Butanone	39.000	ug/kg		
	VOC	Ethylbenzene	33.000	ug/kg		
	VOC	Total Xylenes	48.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SD010-01						
	MTL	Aluminum	5310.000	mg/kg		
	MTL	Arsenic	15.900	mg/kg	J	SN*
	MTL	Barium	36.400	mg/kg		K
	MTL	Beryllium	0.470	mg/kg	B	K
	MTL	Calcium	98700.000	mg/kg		*
	MTL	Chromium, Total	10.800	mg/kg		
	MTL	Cobalt	6.700	mg/kg		K
	MTL	Copper	26.800	mg/kg		
	MTL	Iron	15100.000	mg/kg		
	MTL	Lead	13.000	mg/kg		*
	MTL	Magnesium	12000.000	mg/kg		
	MTL	Manganese	456.000	mg/kg		
	MTL	Nickel	18.300	mg/kg		
	MTL	Potassium	834.000	mg/kg		K
	MTL	Vanadium	14.200	mg/kg		K
	MTL	Zinc	60.000	mg/kg	J	E
	MTL	Cyanide, Total	10.900	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	50.000	ug/kg		J
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	Unknown	250.000	ug/kg		J
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	540.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, tetrahydro-, Diacetate, cis-	220.000	ug/kg		J
	TVOA	Unknown	13.000	ug/kg	J	
	VOC	Ethylbenzene	3.000	ug/kg		J
	VOC	Total Xylenes	5.000	ug/kg		J
WR-SD011-01						
	MTL	Aluminum	9920.000	mg/kg		
	MTL	Arsenic	19.000	mg/kg	J	N*
	MTL	Barium	71.000	mg/kg		
	MTL	Beryllium	0.760	mg/kg	B	K
	MTL	Calcium	83200.000	mg/kg		*
	MTL	Chromium, Total	39.500	mg/kg		
	MTL	Cobalt	6.600	mg/kg		K
	MTL	Copper	47.500	mg/kg		
	MTL	Iron	22500.000	mg/kg		
	MTL	Lead	23.100	mg/kg		*
	MTL	Magnesium	13800.000	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Manganese	629.000	mg/kg		
	MTL	Nickel	24.400	mg/kg		
	MTL	Potassium	1310.000	mg/kg		K
	MTL	Vanadium	27.000	mg/kg		
	MTL	Zinc	397.000	mg/kg	J	E
	MTL	Cyanide, Total	47.700	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	99.000	ug/kg		J
	TVOA	Unknown	20.000	ug/kg	J	
	VOC	1,1,1-Trichloroethane	3.000	ug/kg		J
	VOC	Trichloroethene	44.000	ug/kg		
	VOC	Tetrachloroethene	7.000	ug/kg		
WR-SD011-91						
	MTL	Aluminum	7550.000	mg/kg		
	MTL	Arsenic	18.200	mg/kg	J	N*
	MTL	Barium	51.800	mg/kg		K
	MTL	Beryllium	0.610	mg/kg	B	K
	MTL	Cadmium	2.200	mg/kg		*
	MTL	Calcium	84800.000	mg/kg		*
	MTL	Chromium, Total	31.100	mg/kg		
	MTL	Cobalt	7.000	mg/kg		K
	MTL	Copper	35.700	mg/kg		
	MTL	Iron	18400.000	mg/kg		
	MTL	Lead	21.500	mg/kg		*
	MTL	Magnesium	17200.000	mg/kg		
	MTL	Manganese	551.000	mg/kg		
	MTL	Nickel	20.600	mg/kg		
	MTL	Potassium	1020.000	mg/kg		K
	MTL	Vanadium	22.200	mg/kg		
	MTL	Zinc	321.000	mg/kg	J	E
	MTL	Cyanide, Total	47.600	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	220.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	320.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	220.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	240.000	ug/kg		J
	TBNA	Undecane, 3,7-dimethyl-	230.000	ug/kg		J
	TVOA	Unknown	27.000	ug/kg	J	
	VOC	Trichloroethene	30.000	ug/kg		
	VOC	Tetrachloroethene	5.000	ug/kg		J

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SD012-01						
	MTL	Aluminum	3490.000	mg/kg		
	MTL	Arsenic	7.700	mg/kg	J	N*
	MTL	Barium	34.600	mg/kg		K
	MTL	Beryllium	0.410	mg/kg	B	K
	MTL	Calcium	39000.000	mg/kg		*
	MTL	Chromium, Total	8.500	mg/kg		
	MTL	Cobalt	3.600	mg/kg		K
	MTL	Copper	12.300	mg/kg	B	
	MTL	Iron	8400.000	mg/kg		
	MTL	Lead	6.400	mg/kg		*
	MTL	Magnesium	6400.000	mg/kg		
	MTL	Manganese	302.000	mg/kg		
	MTL	Nickel	10.900	mg/kg		
	MTL	Potassium	797.000	mg/kg		K
	MTL	Vanadium	11.300	mg/kg		K
	MTL	Zinc	34.400	mg/kg	J	E
	MTL	Cyanide, Total	7.250	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	200.000	ug/kg		J
	TBNA	Unknown	550.000	ug/kg		J
	TBNA	Unknown	1300.000	ug/kg		J
	TBNA	Unknown	3000.000	ug/kg		J
	TBNA	Unknown	1900.000	ug/kg		J
	TBNA	Unknown	850.000	ug/kg		J
	TBNA	Unknown	1400.000	ug/kg		J
	TBNA	Unknown Alkane	790.000	ug/kg		J
	TBNA	Unknown Alkane	1400.000	ug/kg		J
	TBNA	Unknown Alkane	1600.000	ug/kg		J
	TBNA	Unknown Alkane	810.000	ug/kg		J
	TBNA	Unknown Alkane	1300.000	ug/kg		J
	TBNA	Pentadecane, 2,6,10,14-Tetramethyl-	1400.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	650.000	ug/kg		J
	TBNA	Nonadecane	1200.000	ug/kg		J
	TBNA	Decane, 2,3,5-trimethyl-	620.000	ug/kg		J
	TBNA	Hexatriacontane	640.000	ug/kg		J
	TBNA	Pentacosane	770.000	ug/kg		J
	TBNA	Eicosane, 10-methyl-	470.000	ug/kg		J
	TBNA	Heptadecane, 4-propyl-	950.000	ug/kg		J
	TBNA	Unknown Alcohol	2000.000	ug/kg		J
	TVOA	Unknown	53.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TVOA	Acetic Acid ethyl ester	36.000	ug/kg	J	
	VOC	1,1-Dichloroethane	33.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	1100.000	ug/kg		
WR-SD013-01						
	MTL	Aluminum	4270.000	mg/kg		
	MTL	Barium	25.600	mg/kg		K
	MTL	Beryllium	0.460	mg/kg	B	K
	MTL	Calcium	46800.000	mg/kg		*
	MTL	Chromium, Total	12.000	mg/kg		
	MTL	Cobalt	5.800	mg/kg		K
	MTL	Copper	21.700	mg/kg		
	MTL	Iron	14000.000	mg/kg		
	MTL	Magnesium	9300.000	mg/kg		
	MTL	Manganese	226.000	mg/kg		
	MTL	Nickel	15.500	mg/kg		K
	MTL	Potassium	840.000	mg/kg		K
	MTL	Vanadium	16.000	mg/kg		K
	MTL	Zinc	40.700	mg/kg	J	E
	MTL	Cyanide, Total	18.600	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	22000.000	ug/kg		J
	TBNA	Unknown	420.000	ug/kg		J
	TBNA	Unknown	580.000	ug/kg		J
	TBNA	Unknown	290.000	ug/kg		J
	TBNA	Unknown	5700.000	ug/kg		J
	TBNA	Unknown Alkane	390.000	ug/kg		J
	TBNA	Unknown Alkane	920.000	ug/kg		J
	TBNA	Unknown Alkane	650.000	ug/kg		J
	TBNA	Unknown Alkane	210.000	ug/kg		J
	TBNA	Unknown Alkane	630.000	ug/kg		J
	TBNA	Unknown Alkane	830.000	ug/kg		J
	TBNA	Unknown Alkane	6500.000	ug/kg		J
	TBNA	Unknown Alkane	220.000	ug/kg		J
	TBNA	Unknown Alkane	820.000	ug/kg		J
	TBNA	Hexadecanoic Acid	510.000	ug/kg		J
	TBNA	Octacosane	1700.000	ug/kg		J
	TBNA	1-Hexadecyne	170.000	ug/kg		J
	TBNA	1-Decanol, 2-ethyl-	250.000	ug/kg		J
	TBNA	Decane, 2,9-dimethyl-	190.000	ug/kg		J
	VOC	Toluene	210.000	ug/kg		B
	VOC	Ethylbenzene	3.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SD014-01						
	MTL	Aluminum	4660.000	mg/kg		
	MTL	Arsenic	5.800	mg/kg		S
	MTL	Barium	47.500	mg/kg		K
	MTL	Beryllium	0.540	mg/kg		K
	MTL	Cadmium	1.300	mg/kg		
	MTL	Calcium	32600.000	mg/kg		
	MTL	Chromium, Total	10.600	mg/kg		
	MTL	Cobalt	5.400	mg/kg		K
	MTL	Copper	17.500	mg/kg		
	MTL	Iron	13900.000	mg/kg		
	MTL	Lead	10.800	mg/kg		N
	MTL	Magnesium	9650.000	mg/kg		
	MTL	Manganese	317.000	mg/kg		N
	MTL	Nickel	13.300	mg/kg		
	MTL	Potassium	821.000	mg/kg		K
	MTL	Silver	1.400	mg/kg	J	KN
	MTL	Vanadium	13.400	mg/kg		
	MTL	Zinc	58.000	mg/kg	J	E
	MTL	Cyanide, Total	66.400	mg/kg		
	P/PCB	AROCLOR-1260	200.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	97.000	ug/kg		J
	TBNA	Unknown	330.000	ug/kg		J
	TBNA	Unknown	550.000	ug/kg		J
	TBNA	Tetracontane, 3,5,24-trimethyl-	200.000	ug/kg		J
	TBNA	6,10,14-Hexadecatrien-1-ol	1600.000	ug/kg		J
	TBNA	Eicosane, 10-methyl-	1400.000	ug/kg		J
	TVOA	Unknown	57.000	ug/kg	J	
	TVOA	Unknown	10.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	20.000	ug/kg	J	
	VOC	Chloroform	4.000	ug/kg		J
	VOC	Tetrachloroethene	5.000	ug/kg		J
WR-SD01L-01						
	MTL	Aluminum	2210.000	mg/kg		
	MTL	Arsenic	2.300	mg/kg	J	KS
	MTL	Barium	21.300	mg/kg		K
	MTL	Calcium	40600.000	mg/kg		
	MTL	Chromium, Total	6.700	mg/kg		
	MTL	Cobalt	2.100	mg/kg		K

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Copper	11.800	mg/kg		
	MTL	Iron	5950.000	mg/kg		
	MTL	Lead	3.300	mg/kg		SN
	MTL	Magnesium	9090.000	mg/kg		
	MTL	Manganese	209.000	mg/kg		N
	MTL	Nickel	7.200	mg/kg		K
	MTL	Potassium	390.000	mg/kg		K
	MTL	Vanadium	8.000	mg/kg		K
	MTL	Zinc	21.000	mg/kg	J	E
	MTL	Cyanide, Total	14.500	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	4-Methylphenol	86.000	ug/kg		J
	TBNA	Unknown	290.000	ug/kg		J
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	360.000	ug/kg		J
	TBNA	3-Heptanone, 2,4-dimethyl-	190.000	ug/kg		J
	TBNA	Eicosane, 7-hexyl-	250.000	ug/kg		J
	TVOA	Unknown	7.000	ug/kg	J	
	VOC	Chloroform	3.000	ug/kg		J
WR-SD01R-01						
	MTL	Aluminum	6860.000	mg/kg		
	MTL	Arsenic	9.600	mg/kg		S
	MTL	Barium	64.100	mg/kg		K
	MTL	Beryllium	0.490	mg/kg		K
	MTL	Cadmium	2.300	mg/kg		
	MTL	Calcium	73800.000	mg/kg		
	MTL	Chromium, Total	13.500	mg/kg		
	MTL	Cobalt	6.800	mg/kg		K
	MTL	Copper	21.200	mg/kg		
	MTL	Iron	16000.000	mg/kg		
	MTL	Lead	374.000	mg/kg		N
	MTL	Magnesium	21300.000	mg/kg		
	MTL	Manganese	443.000	mg/kg		N
	MTL	Nickel	19.700	mg/kg		
	MTL	Potassium	1300.000	mg/kg		K
	MTL	Silver	1.400	mg/kg	J	KN
	MTL	Vanadium	19.700	mg/kg		
	MTL	Zinc	68.300	mg/kg	J	E
	MTL	Cyanide, Total	25.500	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	27.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	99.000	ug/kg		J

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown Alkane	200.000	ug/kg		J
	TBNA	Unknown Alkane	270.000	ug/kg		J
	TBNA	Unknown Alkane	280.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	240.000	ug/kg		J
	TBNA	Eicosane, 10-methyl-	300.000	ug/kg		J
	TBNA	Undecane, 3,7-dimethyl-	270.000	ug/kg		J
	TVOA	Unknown	36.000	ug/kg	J	
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SD02L-01						
	MTL	Aluminum	3760.000	mg/kg		
	MTL	Arsenic	6.400	mg/kg		S
	MTL	Barium	25.000	mg/kg		K
	MTL	Beryllium	0.400	mg/kg		K
	MTL	Cadmium	2.200	mg/kg		
	MTL	Calcium	104000.000	mg/kg		
	MTL	Chromium, Total	10.500	mg/kg		
	MTL	Cobalt	4.700	mg/kg		K
	MTL	Copper	16.900	mg/kg		
	MTL	Iron	9990.000	mg/kg		
	MTL	Lead	5.300	mg/kg		N
	MTL	Magnesium	30400.000	mg/kg		
	MTL	Manganese	369.000	mg/kg		N
	MTL	Nickel	11.800	mg/kg		
	MTL	Potassium	549.000	mg/kg		K
	MTL	Silver	1.200	mg/kg	J	KN
	MTL	Vanadium	11.400	mg/kg		K
	MTL	Zinc	34.600	mg/kg	J	E
	MTL	Cyanide, Total	7.970	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	59.000	ug/kg		J
	TBNA	Unknown	430.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	170.000	ug/kg		J
	TBNA	Unknown Alkane	340.000	ug/kg		J
	TBNA	Unknown Alkane	340.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	260.000	ug/kg		J
	TBNA	Tetratetracontane	580.000	ug/kg		J
	TBNA	Dodecane, 3-methyl-	380.000	ug/kg		J
	TBNA	Tridecane, 3-methyl-	170.000	ug/kg		J
	TVOA	Unknown	71.000	ug/kg	J	
	TVOA	1,3-Dioxolane, 2-tert-butyl-	67.000	ug/kg	J	
	VOC	No Compounds Detected	0.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SD02R-01						
	MTL	Aluminum	4660.000	mg/kg		
	MTL	Arsenic	6.900	mg/kg		S
	MTL	Barium	55.200	mg/kg		K
	MTL	Beryllium	0.400	mg/kg		K
	MTL	Calcium	47800.000	mg/kg		
	MTL	Chromium, Total	10.800	mg/kg		
	MTL	Cobalt	4.700	mg/kg		K
	MTL	Copper	39.600	mg/kg		
	MTL	Iron	12400.000	mg/kg		
	MTL	Lead	10.000	mg/kg		N
	MTL	Magnesium	12700.000	mg/kg		
	MTL	Manganese	382.000	mg/kg		N
	MTL	Nickel	13.600	mg/kg		
	MTL	Potassium	698.000	mg/kg		K
	MTL	Vanadium	13.800	mg/kg		K
	MTL	Zinc	70.700	mg/kg	J	E
	MTL	Cyanide, Total	30.900	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	380.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	290.000	ug/kg		J
	TBNA	Octacosane	610.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, tetrahydro-, Diacetate, cis-	270.000	ug/kg		J
	TBNA	Butanoic Acid, 3,7-dimethyl-6-octenyl ester	530.000	ug/kg		J
	TBNA	Tridecane, 3-methyl-	200.000	ug/kg		J
	TBNA	Heptadecane, 2,6,10,15-Tetramethyl-	300.000	ug/kg		J
	TVOA	Unknown	41.000	ug/kg	J	
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SD04L-01						
	MTL	Aluminum	4390.000	mg/kg		
	MTL	Arsenic	7.200	mg/kg	J	S
	MTL	Barium	34.700	mg/kg		K
	MTL	Beryllium	0.370	mg/kg		K
	MTL	Cadmium	1.700	mg/kg		
	MTL	Calcium	68100.000	mg/kg		
	MTL	Chromium, Total	9.200	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Cobalt	4.700	mg/kg		K
	MTL	Copper	15.100	mg/kg		
	MTL	Iron	11000.000	mg/kg		
	MTL	Lead	5.600	mg/kg		SN
	MTL	Magnesium	17100.000	mg/kg		
	MTL	Manganese	324.000	mg/kg		N
	MTL	Nickel	13.800	mg/kg		
	MTL	Potassium	831.000	mg/kg		K
	MTL	Silver	1.100	mg/kg	J	KN
	MTL	Vanadium	12.500	mg/kg		K
	MTL	Zinc	40.900	mg/kg	J	E
	MTL	Cyanide, Total	8.320	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Acetic Acid ethyl ester	8.000	ug/kg	J	
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SD04R-01						
	MTL	Aluminum	3120.000	mg/kg		
	MTL	Arsenic	9.300	mg/kg		S
	MTL	Barium	22.700	mg/kg		K
	MTL	Beryllium	0.290	mg/kg		K
	MTL	Cadmium	1.600	mg/kg		
	MTL	Calcium	86700.000	mg/kg		
	MTL	Chromium, Total	8.400	mg/kg		
	MTL	Cobalt	3.800	mg/kg		K
	MTL	Copper	247.000	mg/kg		
	MTL	Iron	10800.000	mg/kg		
	MTL	Lead	17.000	mg/kg		N
	MTL	Magnesium	16400.000	mg/kg		
	MTL	Manganese	297.000	mg/kg		N
	MTL	Nickel	13.500	mg/kg		
	MTL	Potassium	567.000	mg/kg		K
	MTL	Silver	1.200	mg/kg	J	KN
	MTL	Thallium	0.950	mg/kg		KW
	MTL	Vanadium	11.100	mg/kg		K
	MTL	Zinc	136.000	mg/kg	J	E
	MTL	Cyanide, Total	4.360	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	720.000	ug/kg		J
	TBNA	2-Heptanol, acetate	270.000	ug/kg		J
	TVOA	Unknown	30.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Total 1,2-Dichloroethene	14.000	ug/kg		
WR-SD07L-01						
	MTL	Aluminum	5690.000	mg/kg		
	MTL	Arsenic	6.600	mg/kg		S
	MTL	Barium	60.100	mg/kg		K
	MTL	Beryllium	0.530	mg/kg		K
	MTL	Calcium	57200.000	mg/kg		
	MTL	Chromium, Total	11.800	mg/kg		
	MTL	Cobalt	5.500	mg/kg		K
	MTL	Copper	34.000	mg/kg		
	MTL	Iron	14500.000	mg/kg		
	MTL	Lead	9.100	mg/kg		SN
	MTL	Magnesium	15700.000	mg/kg		
	MTL	Manganese	464.000	mg/kg		N
	MTL	Nickel	16.200	mg/kg		K
	MTL	Potassium	853.000	mg/kg		K
	MTL	Vanadium	16.000	mg/kg		K
	MTL	Zinc	74.100	mg/kg	J	E
	MTL	Cyanide, Total	32.400	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	210.000	ug/kg		J
	TBNA	Unknown	260.000	ug/kg		J
	TBNA	Unknown Alkane	580.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	400.000	ug/kg		J
	TBNA	Hexadecanoic Acid	190.000	ug/kg		J
	TBNA	Octacosane	220.000	ug/kg		J
	TBNA	Eicosane, 10-methyl-	900.000	ug/kg		J
	TBNA	Octadecanal	190.000	ug/kg		J
	TBNA	2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-,[R-[R*, R*-(E)]]-	270.000	ug/kg		J
	TBNA	Butanoic Acid, 3,7-dimethyl-6-octenyl ester	800.000	ug/kg		J
	TVOA	Unknown	15.000	ug/kg	J	
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SD07R-01						
	MTL	Aluminum	6370.000	mg/kg		
	MTL	Arsenic	13.100	mg/kg		S

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Sediment

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Barium	57.000	mg/kg		K
	MTL	Beryllium	0.480	mg/kg		K
	MTL	Calcium	59300.000	mg/kg		
	MTL	Chromium, Total	11.900	mg/kg		
	MTL	Cobalt	5.700	mg/kg		K
	MTL	Copper	26.700	mg/kg		
	MTL	Iron	14900.000	mg/kg		
	MTL	Lead	8.400	mg/kg		SN
	MTL	Magnesium	16500.000	mg/kg		
	MTL	Manganese	387.000	mg/kg		N
	MTL	Nickel	16.000	mg/kg		
	MTL	Potassium	1010.000	mg/kg		K
	MTL	Vanadium	18.000	mg/kg		
	MTL	Zinc	60.900	mg/kg	J	E
	MTL	Cyanide, Total	38.600	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	330.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	320.000	ug/kg		J
	TBNA	Octacosane	510.000	ug/kg		J
	TBNA	Undecane, 3,9-dimethyl-	270.000	ug/kg		J
	VOC	No Compounds Detected	0.000	ug/kg		

WARZYN

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SURFACE WATER RESULTS

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-FB003-01						
	MTL	Aluminum	39.600	ug/l		K
	MTL	Calcium	176.000	ug/l		K
	MTL	Zinc	3.700	ug/l	B	K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Methylene Chloride	6.000	ug/l	J	
WR-FB004-01						
	MTL	Calcium	165.000	ug/l		K
	MTL	Zinc	4.300	ug/l	B	K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.090	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW001-01						
	IND	Alkalinity	219.000	mg/l		
	IND	Chloride	26.000	mg/l		
	IND	Sulfate	87.000	mg/l		
	MTL	Aluminum	212.000	ug/l		
	MTL	Barium	59.300	ug/l		K
	MTL	Calcium	91700.000	ug/l		
	MTL	Copper	6.500	ug/l		K
	MTL	Iron	609.000	ug/l		
	MTL	Magnesium	22700.000	ug/l		
	MTL	Manganese	67.200	ug/l		
	MTL	Potassium	2200.000	ug/l		K
	MTL	Sodium	11900.000	ug/l		
	MTL	Zinc	4.200	ug/l	B	K
	MTL	Cyanide, Total	0.034	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.100	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW002-01						
	IND	Alkalinity	194.000	mg/l		
	IND	Chloride	27.000	mg/l		
	IND	Sulfate	87.000	mg/l		
	MTL	Aluminum	263.000	ug/l		
	MTL	Barium	59.300	ug/l		K
	MTL	Calcium	92100.000	ug/l		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Copper	15.700	ug/l		K
	MTL	Iron	605.000	ug/l		
	MTL	Magnesium	22800.000	ug/l		
	MTL	Manganese	73.200	ug/l		
	MTL	Potassium	2200.000	ug/l		K
	MTL	Sodium	12300.000	ug/l		
	MTL	Zinc	7.300	ug/l	B	K
	MTL	Cyanide, Total	0.034	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.100	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW003-01						
	IND	Alkalinity	214.000	mg/l		
	IND	Chloride	26.000	mg/l		
	IND	Sulfate	88.000	mg/l		
	MTL	Aluminum	185.000	ug/l		K
	MTL	Barium	59.100	ug/l		K
	MTL	Calcium	92600.000	ug/l		
	MTL	Iron	565.000	ug/l		
	MTL	Magnesium	21900.000	ug/l		
	MTL	Manganese	65.800	ug/l		
	MTL	Potassium	2260.000	ug/l		K
	MTL	Sodium	11400.000	ug/l		
	MTL	Cyanide, Total	0.032	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.100	ug/l		J
	SVOC	Pyrene	0.100	ug/l		J
	TVOA	Unknown	7.300	ug/l		J
	VOC	Total 1,2-Dichloroethene	1.000	ug/l		J
WR-SW004-01						
	IND	Alkalinity	240.000	mg/l		
	IND	Chloride	26.000	mg/l		
	IND	Sulfate	89.000	mg/l		
	MTL	Aluminum	183.000	ug/l		K
	MTL	Barium	59.200	ug/l		K
	MTL	Calcium	92300.000	ug/l		
	MTL	Iron	565.000	ug/l		
	MTL	Magnesium	21800.000	ug/l		
	MTL	Manganese	66.300	ug/l		
	MTL	Potassium	2240.000	ug/l		K

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Sodium	11000.000	ug/l		
	MTL	Zinc	3.000	ug/l		K
	MTL	Cyanide, Total	0.037	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TVOA	Ethanol	15.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	4.000	ug/l		J
WR-SW005-01						
	IND	Alkalinity	234.000	mg/l		
	IND	Chloride	25.000	mg/l		
	IND	Sulfate	89.000	mg/l		
	MTL	Aluminum	235.000	ug/l		
	MTL	Barium	59.100	ug/l		K
	MTL	Calcium	91700.000	ug/l		
	MTL	Iron	643.000	ug/l		
	MTL	Magnesium	21700.000	ug/l		
	MTL	Manganese	71.300	ug/l		
	MTL	Potassium	2190.000	ug/l		K
	MTL	Sodium	10900.000	ug/l		
	MTL	Zinc	6.300	ug/l		K
	MTL	Cyanide, Total	0.034	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Total 1,2-Dichloroethene	3.000	ug/l		J
WR-SW005-91						
	IND	Alkalinity	238.000	mg/l		
	IND	Chloride	25.000	mg/l		
	IND	Sulfate	90.000	mg/l		
	MTL	Aluminum	331.000	ug/l		
	MTL	Barium	58.800	ug/l		K
	MTL	Calcium	94000.000	ug/l		
	MTL	Copper	18.100	ug/l		K
	MTL	Iron	724.000	ug/l		
	MTL	Magnesium	22300.000	ug/l		
	MTL	Manganese	84.600	ug/l		
	MTL	Potassium	2290.000	ug/l		K
	MTL	Sodium	11600.000	ug/l		
	MTL	Zinc	10.900	ug/l		K
	MTL	Cyanide, Total	0.032	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Total 1,2-Dichloroethene	4.000	ug/l		J
WR-SW006-01						
	IND	Alkalinity	221.000	mg/l		
	IND	Chloride	25.000	mg/l		
	IND	Sulfate	89.000	mg/l		
	MTL	Aluminum	280.000	ug/l		
	MTL	Barium	61.900	ug/l		K
	MTL	Calcium	93700.000	ug/l		
	MTL	Copper	8.600	ug/l		K
	MTL	Iron	735.000	ug/l		
	MTL	Magnesium	22200.000	ug/l		
	MTL	Manganese	75.600	ug/l		
	MTL	Potassium	2250.000	ug/l		K
	MTL	Sodium	10800.000	ug/l		
	MTL	Zinc	6.700	ug/l		K
	MTL	Cyanide, Total	0.038	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.200	ug/l		J
	VOC	Total 1,2-Dichloroethene	4.000	ug/l		J
WR-SW007-01						
	IND	Alkalinity	215.000	mg/l		
	IND	Chloride	25.000	mg/l		
	IND	Sulfate	89.000	mg/l		
	MTL	Aluminum	205.000	ug/l		
	MTL	Barium	60.200	ug/l		K
	MTL	Calcium	93100.000	ug/l		
	MTL	Copper	7.600	ug/l		K
	MTL	Iron	618.000	ug/l		
	MTL	Magnesium	22100.000	ug/l		
	MTL	Manganese	77.500	ug/l		
	MTL	Potassium	2290.000	ug/l		K
	MTL	Sodium	11000.000	ug/l		
	MTL	Zinc	9.100	ug/l		K
	MTL	Cyanide, Total	0.024	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.300	ug/l		J
	VOC	Total 1,2-Dichloroethene	3.000	ug/l		J

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SW008-01						
	IND	Alkalinity	190.000	mg/l		
	IND	Chloride	31.000	mg/l		
	IND	Sulfate	49.000	mg/l		
	MTL	Aluminum	51.900	ug/l		K
	MTL	Barium	73.000	ug/l		K
	MTL	Calcium	54000.000	ug/l		
	MTL	Copper	6.100	ug/l		K
	MTL	Iron	124.000	ug/l		
	MTL	Magnesium	23000.000	ug/l		
	MTL	Manganese	20.600	ug/l		
	MTL	Potassium	9560.000	ug/l		
	MTL	Sodium	18000.000	ug/l		
	MTL	Zinc	3.600	ug/l	B	K
	MTL	Cyanide, Total	0.020	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.080	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW009-01						
	IND	Alkalinity	463.000	mg/l		
	IND	Chloride	372.000	mg/l		
	IND	Sulfate	58.000	mg/l		
	MTL	Aluminum	155.000	ug/l		K
	MTL	Arsenic	3.400	ug/l		K
	MTL	Barium	105.000	ug/l		K
	MTL	Calcium	88800.000	ug/l		
	MTL	Copper	6.000	ug/l		K
	MTL	Iron	4070.000	ug/l		
	MTL	Lead	3.700	ug/l	J	KW
	MTL	Magnesium	30100.000	ug/l		
	MTL	Manganese	914.000	ug/l		
	MTL	Potassium	10700.000	ug/l		
	MTL	Sodium	277000.000	ug/l		
	MTL	Zinc	11.300	ug/l		K
	MTL	Cyanide, Total	0.258	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW010-01						
	IND	Alkalinity	286.000	mg/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	IND	Chloride	97.000	mg/l		
	IND	Sulfate	16.000	mg/l		
	MTL	Aluminum	268.000	ug/l		
	MTL	Barium	87.100	ug/l		K
	MTL	Beryllium	1.100	ug/l		K
	MTL	Calcium	110000.000	ug/l		
	MTL	Copper	7.700	ug/l		K
	MTL	Iron	1540.000	ug/l		
	MTL	Magnesium	32000.000	ug/l		
	MTL	Manganese	1040.000	ug/l		
	MTL	Nickel	8.000	ug/l		K
	MTL	Potassium	13800.000	ug/l		
	MTL	Sodium	43200.000	ug/l		
	MTL	Zinc	10.900	ug/l	B	K
	MTL	Cyanide, Total	0.120	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.600	ug/l		J
	SVOC	Di-n-butylphthalate	0.200	ug/l		BJ
	SVOC	bis(2-Ethylhexyl)phthalate	0.600	ug/l		BJ
	VOC	Methylene Chloride	6.000	ug/l	J	
WR-SW011-01						
	IND	Alkalinity	162.000	mg/l		
	IND	Chloride	24.000	mg/l		
	IND	Sulfate	94.000	mg/l		
	MTL	Aluminum	140.000	ug/l		K
	MTL	Barium	46.400	ug/l		K
	MTL	Calcium	39900.000	ug/l		
	MTL	Copper	11.700	ug/l		K
	MTL	Iron	120.000	ug/l		
	MTL	Magnesium	29700.000	ug/l		
	MTL	Potassium	22700.000	ug/l		
	MTL	Sodium	23500.000	ug/l		
	MTL	Zinc	7.100	ug/l	B	K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW011-91						
	IND	Alkalinity	156.000	mg/l		
	IND	Chloride	24.000	mg/l		
	IND	Sulfate	94.000	mg/l		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Aluminum	119.000	ug/l		K
	MTL	Barium	47.300	ug/l		K
	MTL	Beryllium	1.100	ug/l		K
	MTL	Calcium	39400.000	ug/l		
	MTL	Copper	7.900	ug/l		K
	MTL	Iron	97.400	ug/l		K
	MTL	Magnesium	29600.000	ug/l		
	MTL	Potassium	22500.000	ug/l		
	MTL	Sodium	23500.000	ug/l		
	MTL	Zinc	5.100	ug/l	B	K
	MTL	Cyanide, Total	0.036	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-SW012-01						
	IND	Alkalinity	255.000	mg/l		
	IND	Chloride	35.000	mg/l		
	IND	Sulfate	142.000	mg/l		
	MTL	Aluminum	265.000	ug/l		
	MTL	Arsenic	8.000	ug/l		K
	MTL	Barium	68.100	ug/l		K
	MTL	Calcium	129000.000	ug/l		
	MTL	Iron	3380.000	ug/l		
	MTL	Lead	2.500	ug/l		K
	MTL	Magnesium	14500.000	ug/l		
	MTL	Manganese	2070.000	ug/l		
	MTL	Potassium	43100.000	ug/l		
	MTL	Sodium	4130.000	ug/l		K
	MTL	Zinc	12.100	ug/l		K
	MTL	Cyanide, Total	0.315	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	7.300	ug/l		J
	TBNA	Unknown	7.300	ug/l		J
	TBNA	Unknown	29.000	ug/l		J
	TBNA	Unknown	40.000	ug/l		J
	TBNA	Unknown	30.000	ug/l		J
	TBNA	Unknown	23.000	ug/l		J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	28.000	ug/l		J
	TBNA	Unknown	21.000	ug/l		J
	TBNA	Unknown	32.000	ug/l		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown	10.000	ug/l		J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	20.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	13.000	ug/l		J
	TBNA	Hexanoic Acid, 2-ethyl-	20.000	ug/l		J
	TBNA	Morpholine, 4-acetyl-	11.000	ug/l		J
	TBNA	1-Propene, 2-methyl, Trimer	130.000	ug/l		J
	TBNA	2-Pentanone, 1-ethoxy-4,4-dimethyl-	18.000	ug/l		J
	TBNA	Hexadecane, 2-methyl-	5.700	ug/l		J
	TBNA	2-Propanol, 1-(2-methoxypropoxy)-	62.000	ug/l		J
	VOC	1,1-Dichloroethane	66.000	ug/l		
	VOC	Total 1,2-Dichloroethene	1600.000	ug/l		
WR-SW013-01						
	IND	Alkalinity	185.000	mg/kg		
	IND	Chloride	31.000	mg/kg		
	IND	Sulfate	50.000	mg/kg		
	MTL	Aluminum	64.700	ug/l		K
	MTL	Barium	72.600	ug/l		K
	MTL	Calcium	53800.000	ug/l		
	MTL	Copper	8.200	ug/l		K
	MTL	Iron	116.000	ug/l		
	MTL	Lead	3.000	ug/l		KN
	MTL	Magnesium	22800.000	ug/l		
	MTL	Manganese	19.400	ug/l		
	MTL	Potassium	9600.000	ug/l		
	MTL	Sodium	17900.000	ug/l		
	MTL	Zinc	6.500	ug/l	B	K
	MTL	Cyanide, Total	0.032	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.080	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		

WARZYN

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PHASE I GROUNDWATER RESULTS

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-FB001-01						
	MTL	Sodium	6500.000	ug/l		
	MTL	Thallium	1.000	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-FB002-01						
	MTL	No Compounds Detected	0.000	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW01S-01						
	IND	Alkalinity	373.000	mg/l		
	IND	Chloride	94.000	mg/l		
	IND	Sulfate	10.000	mg/l		
	MTL	Arsenic	9.000	ug/l		K
	MTL	Barium	1870.000	ug/l		
	MTL	Calcium	212000.000	ug/l		*
	MTL	Copper	34.000	ug/l		
	MTL	Iron	10400.000	ug/l		*
	MTL	Lead	12.000	ug/l		
	MTL	Magnesium	73000.000	ug/l	J	N*
	MTL	Manganese	346.000	ug/l		
	MTL	Potassium	35900.000	ug/l		
	MTL	Sodium	53500.000	ug/l		
	MTL	Thallium	1.000	ug/l	J	K
	MTL	Zinc	79.000	ug/l		
	MTL	Cyanide, Total	0.118	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	22.000	ug/l	J	J
	VOC	Vinyl Chloride	29.000	ug/l		
WR-GW02S-01						
	IND	Alkalinity	236.000	mg/l		
	IND	Chloride	40.000	mg/l		
	IND	Sulfate	141.000	mg/l		
	MTL	Arsenic	3.000	ug/l		K
	MTL	Barium	129.000	ug/l	J	K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Calcium	183000.000	ug/l	J	*
	MTL	Iron	1430.000	ug/l	J	*
	MTL	Magnesium	40200.000	ug/l	J	N*
	MTL	Manganese	355.000	ug/l	J	
	MTL	Potassium	6700.000	ug/l	J	
	MTL	Sodium	22700.000	ug/l	J	
	MTL	Thallium	1.000	ug/l	J	K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	25.000	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	41.000	ug/l	J	J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	140.000	ug/l	J	J
	TVOA	Ethane, 1,1'-oxybis-	9.000	ug/l	J	
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW02S-91						
	IND	Alkalinity	192.000	mg/l		
	IND	Chloride	40.000	mg/l		
	IND	Sulfate	144.000	mg/l		
	MTL	Arsenic	3.000	ug/l		K
	MTL	Barium	191.000	ug/l	J	K
	MTL	Calcium	267000.000	ug/l	J	*
	MTL	Iron	3020.000	ug/l	J	*
	MTL	Magnesium	60400.000	ug/l	J	N*
	MTL	Manganese	521.000	ug/l	J	
	MTL	Potassium	9000.000	ug/l	J	
	MTL	Sodium	19200.000	ug/l	J	
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	24.000	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	39.000	ug/l	J	J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	140.000	ug/l		J
	TVOA	Ethane, 1,1'-oxybis-	9.000	ug/l	J	
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW03S-01						

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	IND	Alkalinity	326.000	mg/l		
	IND	Chloride	64.000	mg/l		
	IND	Sulfate	17.000	mg/l		
	MTL	Arsenic	15.000	ug/l		
	MTL	Barium	306.000	ug/l		
	MTL	Calcium	145000.000	ug/l		*
	MTL	Iron	5410.000	ug/l		*
	MTL	Magnesium	38000.000	ug/l	J	N*
	MTL	Manganese	781.000	ug/l		
	MTL	Potassium	9100.000	ug/l		
	MTL	Sodium	53900.000	ug/l		
	MTL	Cyanide, Total	0.015	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	2-Methylphenol	2.000	ug/l	J	J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	5.200	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	54.000	ug/l		J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	300.000	ug/l		J
	TBNA	1-Propanol, 2-(2-Methoxypropyl)	8.000	ug/l		J
	VOC	Vinyl Chloride	1300.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	24000.000	ug/l		
WR-GW04S-01						
	IND	Alkalinity	194.000	mg/l	J	
	IND	Chloride	82.000	mg/l		
	IND	Sulfate	60.000	mg/l		
	MTL	Arsenic	3.000	ug/l		K
	MTL	Barium	220.000	ug/l		
	MTL	Calcium	182000.000	ug/l		*
	MTL	Iron	4730.000	ug/l		*
	MTL	Magnesium	44500.000	ug/l	J	N*
	MTL	Manganese	497.000	ug/l		
	MTL	Potassium	16000.000	ug/l		
	MTL	Sodium	51300.000	ug/l		
	MTL	Thallium	1.000	ug/l	J	K
	MTL	Zinc	23.000	ug/l		
	MTL	Cyanide, Total	0.118	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown	23.000	ug/l	J	J
	VOC	Vinyl Chloride	5.000	ug/l		J
WR-GW05S-01						
	IND	Alkalinity	236.000	mg/l	J	
	IND	Chloride	18.000	mg/l		
	IND	Sulfate	92.000	mg/l		
	MTL	Barium	175.000	ug/l		K
	MTL	Cadmium	5.000	ug/l		
	MTL	Calcium	182000.000	ug/l		*
	MTL	Magnesium	45200.000	ug/l	J	N*
	MTL	Manganese	88.000	ug/l		
	MTL	Potassium	8500.000	ug/l		
	MTL	Sodium	30600.000	ug/l	J	
	MTL	Cyanide, Total	0.146	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW06S-01						
	IND	Alkalinity	220.000	mg/l		
	IND	Chloride	46.000	mg/l		
	IND	Sulfate	149.000	mg/l		
	MTL	Arsenic	6.000	ug/l		K
	MTL	Barium	101.000	ug/l		K
	MTL	Calcium	154000.000	ug/l		*
	MTL	Iron	777.000	ug/l		*
	MTL	Magnesium	42800.000	ug/l	J	N*
	MTL	Manganese	284.000	ug/l		
	MTL	Sodium	23900.000	ug/l	J	
	MTL	Cyanide, Total	0.038	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW07S-01						
	IND	Alkalinity	200.000	mg/l	J	
	IND	Chloride	208.000	mg/l		
	IND	Sulfate	93.000	mg/l		
	MTL	Arsenic	5.000	ug/l		K
	MTL	Barium	286.000	ug/l		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Calcium	204000.000	ug/l		*
	MTL	Iron	313.000	ug/l		*
	MTL	Magnesium	44500.000	ug/l	J	N*
	MTL	Manganese	58.000	ug/l	J	
	MTL	Potassium	5600.000	ug/l		
	MTL	Sodium	117000.000	ug/l		
	MTL	Thallium	2.000	ug/l	J	K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Total 1,2-Dichloroethene	2600.000	ug/l		
WR-GW07S-91						
	IND	Alkalinity	165.000	mg/l	J	
	IND	Chloride	207.000	mg/l		
	IND	Sulfate	99.000	mg/l		
	MTL	Arsenic	5.000	ug/l		K
	MTL	Barium	339.000	ug/l		
	MTL	Calcium	238000.000	ug/l		*
	MTL	Iron	265.000	ug/l		*
	MTL	Magnesium	54300.000	ug/l	J	N*
	MTL	Manganese	679.000	ug/l	J	
	MTL	Potassium	6200.000	ug/l		
	MTL	Sodium	134000.000	ug/l		
	MTL	Thallium	2.000	ug/l	J	K
	MTL	Cyanide, Total	0.264	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Total 1,2-Dichloroethene	2700.000	ug/l		
WR-GW08S-01						
	IND	Alkalinity	244.000	mg/l		
	IND	Chloride	56.000	mg/l		
	IND	Sulfate	67.000	mg/l		
	MTL	Arsenic	5.000	ug/l		K
	MTL	Barium	313.000	ug/l		
	MTL	Calcium	234000.000	ug/l		*
	MTL	Copper	31.000	ug/l		
	MTL	Iron	153.000	ug/l		*
	MTL	Magnesium	46200.000	ug/l	J	N*
	MTL	Manganese	1440.000	ug/l		
	MTL	Potassium	7700.000	ug/l		
	MTL	Sodium	40600.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Thallium	2.000	ug/l	J	K
	MTL	Cyanide, Total	0.008	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW09S-01						
	IND	Alkalinity	452.000	mg/l		
	IND	Chloride	90.000	mg/l		
	IND	Sulfate	399.000	mg/l		
	MTL	Arsenic	8.000	ug/l		K
	MTL	Barium	181.000	ug/l		K
	MTL	Calcium	276000.000	ug/l		*
	MTL	Iron	9000.000	ug/l		*
	MTL	Magnesium	40700.000	ug/l	J	N*
	MTL	Manganese	908.000	ug/l		
	MTL	Potassium	14100.000	ug/l		
	MTL	Sodium	35600.000	ug/l		
	MTL	Thallium	1.000	ug/l	J	K
	MTL	Cyanide, Total	0.030	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	2-Methylphenol	3.000	ug/l		J
	SVOC	4-Methylphenol	2.000	ug/l		J
	TBNA	Unknown	13.000	ug/l		J
	TBNA	Unknown	24.000	ug/l	J	J
	TBNA	Unknown	16.000	ug/l		J
	TBNA	Unknown	11.000	ug/l		J
	TBNA	Octane, 3-Methoxy-	140.000	ug/l		J
	TBNA	Propane, 2,2'-oxybis[2-Methyl]-	7.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	33000.000	ug/l		
	VOC	Trichloroethene	18000.000	ug/l		
WR-GW09S-01DUP						
	MTL	Arsenic	8.000	ug/l		K
	MTL	Barium	180.000	ug/l		K
	MTL	Calcium	272000.000	ug/l		*
	MTL	Iron	8290.000	ug/l		*
	MTL	Magnesium	40100.000	ug/l		N*
	MTL	Manganese	902.000	ug/l		
	MTL	Potassium	14900.000	ug/l		
	MTL	Sodium	40500.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-GW10S-01						
	IND	Alkalinity	485.000	mg/l		
	IND	Chloride	97.000	mg/l		
	IND	Sulfate	40.000	mg/l		
	MTL	Arsenic	9.000	ug/l		K
	MTL	Barium	239.000	ug/l		
	MTL	Calcium	214000.000	ug/l		*
	MTL	Chromium, Total	17.000	ug/l		*
	MTL	Iron	6840.000	ug/l		*
	MTL	Magnesium	44500.000	ug/l	J	N*
	MTL	Manganese	806.000	ug/l		
	MTL	Potassium	8200.000	ug/l		
	MTL	Sodium	23200.000	ug/l	J	
	MTL	Thallium	2.000	ug/l	J	K
	MTL	Cyanide, Total	0.006	mg/l	J	
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Benzyl alcohol	14.000	ug/l	J	
	SVOC	2-Methylphenol	13.000	ug/l	J	
	SVOC	4-Methylphenol	5.000	ug/l	J	J
	SVOC	Benzoic acid	5.000	ug/l	J	J
	TBNA	Unknown	4.800	ug/l		J
	TBNA	Unknown	24.000	ug/l		J
	TBNA	Unknown	17.000	ug/l		J
	TBNA	Unknown	6.200	ug/l		J
	TBNA	Unknown	180.000	ug/l		J
	TBNA	Unknown	4.500	ug/l		J
	TBNA	Unknown	4.800	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Butanoic Acid, 4-Butoxy-	8.800	ug/l		J
	TBNA	Cyclopentane, 1-Ethyl-2-Methyl-cis-	5.600	ug/l		J
	TBNA	Ether, Heptyl Hexyl	10.000	ug/l		J
	TBNA	1,4-Pentadiene, 2,3,4-Trimethyl	8.700	ug/l		J
	TBNA	Acetic Acid, [(Phenylmethoxy)IMINO]-,Trimethylsilyl Ester	79.000	ug/l		J
	TBNA	Benzoic Acid, 2,4-Dimethyl-	17.000	ug/l	J	J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	290.000	ug/l	J	J
	VOC	Vinyl Chloride	5500.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	1,1-Dichloroethane	630.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	56000.000	ug/l		
WR-GW10S-01DUP						
	MTL	Arsenic	8.000	ug/l		K
	MTL	Barium	313.000	ug/l		
	MTL	Calcium	276000.000	ug/l		*
	MTL	Chromium, Total	12.000	ug/l		*
	MTL	Iron	9850.000	ug/l		*
	MTL	Magnesium	59000.000	ug/l	J	N*
	MTL	Manganese	1020.000	ug/l		
	MTL	Potassium	10300.000	ug/l		
	MTL	Sodium	18600.000	ug/l	J	
	MTL	Thallium	2.000	ug/l	J	K
WR-GW11S-01						
	IND	Alkalinity	272.000	mg/l		
	IND	Chloride	46.000	mg/l		
	IND	Sulfate	83.000	mg/l		
	MTL	Barium	418.000	ug/l		
	MTL	Calcium	187000.000	ug/l		*
	MTL	Iron	6630.000	ug/l		*
	MTL	Magnesium	49600.000	ug/l	J	N*
	MTL	Manganese	422.000	ug/l		
	MTL	Potassium	11200.000	ug/l		
	MTL	Sodium	61800.000	ug/l		
	MTL	Zinc	26.000	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	9.600	ug/l		J
	TBNA	Unknown	120.000	ug/l		J
	TBNA	Unknown	8.500	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	11.000	ug/l	J	J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	330.000	ug/l	J	J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	5.000	ug/l		J
	TVOA	Ethane, 1,1'-oxybis-	20.000	ug/l	J	
	VOC	Vinyl Chloride	4.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	44.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-GW83A(D)-01						
	IND	Insuff. Volume to Analyze	0.000	mg/l		
	MTL	Insuff. Volume to Analyze	0.000	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	bis(2-Ethylhexyl)phthalate	4.000	ug/l		J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	46.000	ug/l		J
	TBNA	Unknown	6.000	ug/l		J
	TBNA	Unknown	9.500	ug/l		J
	TBNA	Unknown	50.000	ug/l		J
	TBNA	Unknown	100.000	ug/l		J
	TBNA	Unknown	38.000	ug/l		J
	TBNA	Unknown	58.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	14.000	ug/l		J
	TVOA	Furan, tetrahydro-	35.000	ug/l		J
	TVOA	Ethane, 1,2-Diethoxy-	79.000	ug/l		J
	VOC	Vinyl Chloride	4.000	ug/l		J
WR-GW83A(S)-01						
	IND	Alkalinity	219.000	mg/l		
	IND	Chloride	36.000	mg/l		
	IND	Sulfate	92.000	mg/l		
	MTL	Aluminum	871.000	ug/l		
	MTL	Barium	186.000	ug/l		K
	MTL	Calcium	90300.000	ug/l		*
	MTL	Magnesium	23700.000	ug/l	J	N*
	MTL	Manganese	154.000	ug/l		
	MTL	Potassium	26200.000	ug/l		
	MTL	Sodium	26300.000	ug/l	J	
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	31.000	ug/l		J
	TBNA	Unknown	290.000	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	15.000	ug/l	J	J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	370.000	ug/l	J	J

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	1-Propanol, 2-(2-Methoxypropyl)	12.000	ug/l		J
	TBNA	3,7,11-Tridecatrienenitrile,4, 8,12-Trimethyl	6.400	ug/l		BJ
	TVOA	Unknown	150.000	ug/l	J	
	VOC	Vinyl Chloride	110.000	ug/l		
WR-GW83B-01						
	VOC	Acetone	270.000	ug/l		B
	VOC	2-Butanone	23.000	ug/l	J	
WR-GW83D-01						
	IND	Alkalinity	87.000	mg/l		
	IND	Chloride	10.000	mg/l		
	IND	Sulfate	39.000	mg/l		
	MTL	Aluminum	30200.000	ug/l		
	MTL	Arsenic	57.100	ug/l		S
	MTL	Barium	9.300	ug/l		K
	MTL	Calcium	57400.000	ug/l		
	MTL	Iron	74.200	ug/l		K
	MTL	Magnesium	111.000	ug/l		K
	MTL	Potassium	2470.000	ug/l		K
	MTL	Sodium	11200.000	ug/l		
	MTL	Vanadium	6.500	ug/l		K
	MTL	Zinc	4.100	ug/l		K
	MTL	Cyanide, Total	0.022	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Naphthalene	0.080	ug/l		J
	SVOC	Diethylphthalate	0.080	ug/l		J
	SVOC	bis(2-Ethylhexyl)phthalate	29.000	ug/l		B
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW83E-01						
	IND	Alkalinity	276.000	mg/l		
	IND	Chloride	50.000	mg/l		
	IND	Sulfate	136.000	mg/l		
	MTL	Arsenic	3.000	ug/l		K
	MTL	Barium	211.000	ug/l		
	MTL	Calcium	251000.000	ug/l		*
	MTL	Iron	4320.000	ug/l		*
	MTL	Magnesium	74600.000	ug/l	J	N*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Manganese	330.000	ug/l		
	MTL	Potassium	12700.000	ug/l		
	MTL	Sodium	51600.000	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	4.700	ug/l		J
	TBNA	Unknown	9.700	ug/l		J
	TBNA	2-Propanol, Polymethoxy isomer	190.000	ug/l		J
	TBNA	Octane, 3-Methoxy-	120.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	5.600	ug/l		J
	TVOA	Ethane, 1,1'-oxybis-	9.000	ug/l	J	
	VOC	No Compounds Detected	0.000	ug/l		
WR-GWOPH-01						
	IND	Alkalinity	259.000	mg/l		
	IND	Chloride	2.000	mg/l		
	IND	Sulfate	10.000	mg/l		
	MTL	Aluminum	48.200	ug/l		K
	MTL	Barium	56.700	ug/l		K
	MTL	Calcium	61200.000	ug/l		
	MTL	Magnesium	29800.000	ug/l		
	MTL	Manganese	168.000	ug/l		
	MTL	Potassium	2100.000	ug/l		K
	MTL	Sodium	21900.000	ug/l		
	MTL	Zinc	6.000	ug/l		K
	MTL	Cyanide, Total	0.010	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	bis(2-Ethylhexyl)phthalate	27.000	ug/l		B
	VOC	No Compounds Detected	0.000	ug/l		
WR-TB001-01						
	VOC	Methylene Chloride	5.000	ug/l	J	
WR-TB002-01						
	VOC	No Compounds Detected	0.000	ug/l		
WR-TB003-01						
	VOC	No Compounds Detected	0.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-TB004-01						
	VOC	No Compounds Detected	0.000	ug/l		

WARZYN

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PHASE II GROUNDWATER RESULTS

WARZYN ENGINEERING INC.
PHASE II LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-FB001-02						
	IND	Chloride	2.000	mg/l		
	IND	Sulfate	6.000	mg/l		
	MTL	Aluminum	46.000	ug/l		K
	MTL	Barium	7.700	ug/l		K
	MTL	Calcium	581.000	ug/l		K
	MTL	Copper	44.100	ug/l		
	MTL	Iron	20.700	ug/l		K
	MTL	Magnesium	78.000	ug/l		K
	MTL	Manganese	6.200	ug/l		K
	MTL	Nickel	10.300	ug/l		K
	MTL	Zinc	10.400	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Acetone	18000.000	ug/l	J	D
	VOC	Toluene	0.600	ug/l	J	J
WR-FB002-02						
	IND	Chloride	2.000	mg/l		
	MTL	Barium	3.400	ug/l		K
	MTL	Calcium	650.000	ug/l		K
	MTL	Copper	32.000	ug/l		
	MTL	Manganese	7.700	ug/l		K
	MTL	Selenium	1.200	ug/l		K
	MTL	Zinc	8.800	ug/l		K
	MTL	Cyanide, Total	0.005	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Benzene,1,3,5-Trimethyl-	10.000	ug/l		J
	TBNA	Benzene,1,2,4-Trimethyl-	12.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-FB003-02						
	TVOA	Unknown	1.400	ug/l		J
	VOC	Bromodichloromethane	1.500	ug/l	J	
	VOC	Dibromochloromethane	0.680	ug/l	J	
	VOC	Toluene	0.510	ug/l	J	B
WR-FB004-02						
	MTL	Aluminum	33.700	ug/l		K
	MTL	Barium	3.500	ug/l		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Calcium	130.000	ug/l		K
	MTL	Copper	10.400	ug/l		K
	MTL	Magnesium	108.000	ug/l		K
	MTL	Potassium	598.000	ug/l		K
	MTL	Sodium	1850.000	ug/l		K
	MTL	Vanadium	3.600	ug/l		K
	MTL	Zinc	12.700	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Phenol, 2,6-Bis(1,1-dimethylethyl)-4-methyl-	3.000	ug/l		J
	TVOA	Propane, 2-methyl-	3.400	ug/l		J
	VOC	1,1,1-Trichloroethane	0.170	ug/l		
	VOC	Ethylbenzene	0.110	ug/l	J	J
	VOC	Total Xylenes	0.460	ug/l	J	
WR-FB005-02						
	IND	Chloride	2.000	mg/l		
	MTL	Calcium	343.000	ug/l		K
	MTL	Copper	53.500	ug/l		
	MTL	Iron	26.000	ug/l		K
	MTL	Zinc	7.300	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.600	ug/l		J
WR-GW01D-01						
	IND	Alkalinity	369.000	mg/l		
	IND	Chloride	4.000	mg/l		
	IND	Sulfate	29.000	mg/l		
	MTL	Arsenic	5.900	ug/l		K
	MTL	Barium	132.000	ug/l		K
	MTL	Calcium	76300.000	ug/l		
	MTL	Iron	887.000	ug/l		
	MTL	Magnesium	34200.000	ug/l		
	MTL	Manganese	114.000	ug/l		
	MTL	Potassium	2030.000	ug/l		K
	MTL	Sodium	17500.000	ug/l		
	MTL	Zinc	13.300	ug/l		K
	MTL	Cyanide, Total	0.009	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Chloroform	2.000	ug/l		J
WR-GW01D-02						
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW01I-01						
	IND	Alkalinity	463.000	mg/l		
	IND	Chloride	122.000	mg/l		
	IND	Sulfate	62.000	mg/l		
	MTL	Aluminum	43.000	ug/l		K
	MTL	Arsenic	5.300	ug/l	J	KW
	MTL	Barium	239.000	ug/l		
	MTL	Calcium	162000.000	ug/l		
	MTL	Copper	5.200	ug/l		K
	MTL	Iron	5010.000	ug/l		
	MTL	Magnesium	42000.000	ug/l		
	MTL	Manganese	234.000	ug/l		
	MTL	Potassium	5040.000	ug/l		
	MTL	Sodium	62600.000	ug/l		
	MTL	Zinc	12.800	ug/l		K
	MTL	Cyanide, Total	0.008	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Toluene	0.500	ug/l	J	J
WR-GW01S-02						
	IND	Alkalinity	711.000	mg/l		
	IND	Chloride	132.000	mg/l		
	IND	Sulfate	16.000	mg/l		
	MTL	Arsenic	4.700	ug/l	J	KW
	MTL	Barium	1370.000	ug/l		
	MTL	Calcium	179000.000	ug/l		
	MTL	Copper	6.400	ug/l		K
	MTL	Iron	3950.000	ug/l		
	MTL	Magnesium	57600.000	ug/l		
	MTL	Manganese	241.000	ug/l		
	MTL	Nickel	21.500	ug/l		K
	MTL	Potassium	36800.000	ug/l		
	MTL	Sodium	56700.000	ug/l		
	MTL	Zinc	65.700	ug/l		
	MTL	Cyanide, Total	0.024	mg/l		*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Benzene,1,2-Dimethyl-	11.000	ug/l		J
	TBNA	Benzene,1-ethyl-3-methyl-	34.000	ug/l		J
	TBNA	Benzene,1,3,5-Trimethyl-	10.000	ug/l		J
	TBNA	Unknown Branched Aromatic Hydrocarbon	16.000	ug/l		J
	TBNA	Unknown Branched Alcohol	9.000	ug/l		J
	VOC	Vinyl Chloride	19.000	ug/l		
	VOC	Chloroethane	0.900	ug/l		J
WR-GW01S-92						
	IND	Alkalinity	728.000	mg/l		
	IND	Chloride	128.000	mg/l		
	IND	Sulfate	13.000	mg/l		
	MTL	Aluminum	60.100	ug/l		K
	MTL	Arsenic	4.900	ug/l		K
	MTL	Barium	1410.000	ug/l		
	MTL	Calcium	180000.000	ug/l		
	MTL	Copper	8.400	ug/l		K
	MTL	Iron	4510.000	ug/l		
	MTL	Magnesium	57500.000	ug/l		
	MTL	Manganese	238.000	ug/l		
	MTL	Nickel	18.900	ug/l		K
	MTL	Potassium	37300.000	ug/l		
	MTL	Sodium	55000.000	ug/l		
	MTL	Zinc	56.700	ug/l		
	MTL	Cyanide, Total	0.021	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown Branched Alcohol	15.000	ug/l		J
	VOC	Vinyl Chloride	37.000	ug/l		
	VOC	Chloroethane	1.000	ug/l		J
	VOC	Toluene	0.300	ug/l	J	J
WR-GW02S-02						
	IND	Alkalinity	476.000	mg/l		
	IND	Chloride	41.000	mg/l		
	IND	Sulfate	173.000	mg/l		
	MTL	Barium	139.000	ug/l		K
	MTL	Calcium	190000.000	ug/l		
	MTL	Iron	5410.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Magnesium	39200.000	ug/l		
	MTL	Manganese	273.000	ug/l		
	MTL	Potassium	9630.000	ug/l		
	MTL	Sodium	15500.000	ug/l		
	MTL	Zinc	11.100	ug/l		K
	MTL	Cyanide, Total	0.021	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	35.000	ug/l		J
	TBNA	Unknown	49.000	ug/l		J
	TBNA	Unknown	130.000	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	18.000	ug/l		J
	TBNA	Butane, 1-(1-Methylpropoxy)-	13.000	ug/l		J
	TBNA	Unknown Branched Alcohol	40.000	ug/l		J
	TVOA	Ethyl Ether	34.000	ug/l		J
	VOC	Toluene	0.300	ug/l	J	J
WR-GW03S-02						
	IND	Alkalinity	457.000	mg/l		
	IND	Chloride	66.000	mg/l		
	IND	Sulfate	84.000	mg/l		
	MTL	Antimony	1.200	ug/l		KS
	MTL	Arsenic	23.400	ug/l		S
	MTL	Barium	320.000	ug/l		
	MTL	Calcium	169000.000	ug/l		
	MTL	Iron	7200.000	ug/l		
	MTL	Magnesium	37600.000	ug/l		
	MTL	Manganese	700.000	ug/l		
	MTL	Nickel	15.100	ug/l		K
	MTL	Potassium	10300.000	ug/l		
	MTL	Sodium	32600.000	ug/l		
	MTL	Zinc	12.600	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	2-Methylphenol	3.000	ug/l		
	SVOC	2,4-Dimethylphenol	0.600	ug/l		J
	TBNA	Unknown	11.000	ug/l		J
	TBNA	Unknown	6.000	ug/l		J
	TBNA	Unknown	5.000	ug/l		J
	TBNA	Unknown	150.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Unknown	5.000	ug/l		J
	TBNA	Unknown	11.000	ug/l		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown	5.000	ug/l		J
	TBNA	Unknown	60.000	ug/l		J
	TBNA	Unknown	5.000	ug/l		J
	TBNA	Unknown	44.000	ug/l		J
	TBNA	Unknown	6.000	ug/l		J
	TBNA	Unknown	92.000	ug/l		J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	10.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	6.000	ug/l		J
	TBNA	Phenol, 2,3-Dimethyl	23.000	ug/l		J
	TBNA	Ethanol, 2-(2-Butoxyethoxy)-	9.000	ug/l		J
	TBNA	Butane, 1-(2-Methoxyethoxy)-	8.000	ug/l		J
	TBNA	Propane, 2,2'-[methylenebis(oxy)bis-	8.000	ug/l		J
	TBNA	2,5,8,11-Tetraoxatetradecan-13 -ol, 4,7,10-trimethyl	36.000	ug/l		J
	TVOA	Methane,Thiobis	6.600	ug/l		J
	TVOA	Ethane,1,2-Dichloro,1,1,2-Trif luoro	76.000	ug/l		J
	VOC	Vinyl Chloride	430.000	ug/l		D
	VOC	Carbon Disulfide	2.300	ug/l		
	VOC	1,1-Dichloroethene	16.000	ug/l		
	VOC	1,1-Dichloroethane	23.000	ug/l		
	VOC	Total 1,2-Dichloroethene	6900.000	ug/l		D
	VOC	1,2-Dichloropropane	8.400	ug/l		
	VOC	Trichloroethene	1.100	ug/l		
	VOC	Benzene	1.100	ug/l	J	
	VOC	Toluene	3.400	ug/l	J	B
WR-GW04S-02						
	IND	Alkalinity	499.000	mg/l		
	IND	Chloride	77.000	mg/l		
	IND	Sulfate	66.000	mg/l		
	MTL	Arsenic	4.800	ug/l		K
	MTL	Barium	161.000	ug/l		K
	MTL	Calcium	171000.000	ug/l		
	MTL	Iron	5280.000	ug/l		
	MTL	Magnesium	37000.000	ug/l		
	MTL	Manganese	165.000	ug/l		
	MTL	Nickel	11.500	ug/l		K
	MTL	Potassium	12300.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Selenium	2.200	ug/l	J	KW
	MTL	Sodium	39200.000	ug/l		
	MTL	Zinc	15.900	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	22.000	ug/l		J
	TBNA	Unknown	22.000	ug/l		J
	TBNA	Benzene,1,2,4-Trimethyl-	10.000	ug/l		J
	TBNA	Benzene,1,2,3-Trimethyl-	10.000	ug/l		J
	TVOA	Unknown	7.000	ug/l		J
	VOC	Vinyl Chloride	2.000	ug/l		J
	VOC	Chloroform	0.700	ug/l		J
WR-GW05S-02						
	IND	Alkalinity	338.000	mg/l		
	IND	Chloride	14.000	mg/l		
	IND	Sulfate	61.000	mg/l		
	MTL	Barium	66.900	ug/l		K
	MTL	Calcium	112000.000	ug/l		
	MTL	Copper	9.700	ug/l		K
	MTL	Iron	55.500	ug/l		K
	MTL	Magnesium	24300.000	ug/l		
	MTL	Manganese	29.100	ug/l		
	MTL	Nickel	11.600	ug/l		K
	MTL	Potassium	6610.000	ug/l		
	MTL	Sodium	11200.000	ug/l		
	MTL	Zinc	25.800	ug/l		
	MTL	Cyanide, Total	0.065	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW06S-02						
	IND	Alkalinity	442.000	mg/l		
	IND	Chloride	70.000	mg/l		
	IND	Sulfate	159.000	mg/l		
	MTL	Aluminum	45.200	ug/l		K
	MTL	Arsenic	4.900	ug/l	J	K
	MTL	Barium	69.800	ug/l		K
	MTL	Calcium	176000.000	ug/l		
	MTL	Copper	6.000	ug/l		K
	MTL	Iron	63.800	ug/l		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Magnesium	46100.000	ug/l		
	MTL	Manganese	284.000	ug/l		
	MTL	Nickel	14.100	ug/l		K
	MTL	Potassium	2910.000	ug/l		K
	MTL	Sodium	32800.000	ug/l		
	MTL	Zinc	52.400	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TVOA	Hexane	6.000	ug/l	J	J
	TVOA	Ethyl Ether	5.000	ug/l	J	J
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW07S-02						
	IND	Alkalinity	427.000	mg/l		
	IND	Chloride	161.000	mg/l		
	IND	Sulfate	76.000	mg/l		
	MTL	Arsenic	3.000	ug/l		KS
	MTL	Barium	191.000	ug/l		
	MTL	Calcium	145000.000	ug/l		
	MTL	Iron	36.900	ug/l		K
	MTL	Magnesium	31100.000	ug/l		
	MTL	Manganese	393.000	ug/l		
	MTL	Potassium	4190.000	ug/l		
	MTL	Sodium	111000.000	ug/l		
	MTL	Zinc	26.300	ug/l		
	MTL	Cyanide, Total	0.016	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Di-n-butylphthalate	0.300	ug/l		J
	TBNA	Unknown	1.000	ug/l		J
	TBNA	Hexanedioic Acid, mono(2-ethylhexyl)ester	2.000	ug/l		J
	VOC	Vinyl Chloride	1.300	ug/l		
	VOC	1,1-Dichloroethane	23.000	ug/l		
	VOC	Total 1,2-Dichloroethene	1900.000	ug/l		D
WR-GW08D-01						
	IND	Alkalinity	370.000	mg/l		
	IND	Chloride	6.000	mg/l		
	IND	Sulfate	28.000	mg/l		
	MTL	Aluminum	30.800	ug/l		K
	MTL	Barium	118.000	ug/l		K
	MTL	Calcium	71100.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Copper	7.000	ug/l		K
	MTL	Iron	527.000	ug/l		
	MTL	Magnesium	32700.000	ug/l		
	MTL	Manganese	240.000	ug/l		
	MTL	Nickel	9.000	ug/l		K
	MTL	Potassium	3450.000	ug/l		K
	MTL	Sodium	33300.000	ug/l		
	MTL	Zinc	25.800	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW08S-02						
	IND	Alkalinity	484.000	mg/l		
	IND	Chloride	66.000	mg/l		
	IND	Sulfate	56.000	mg/l		
	MTL	Aluminum	467.000	ug/l		
	MTL	Arsenic	15.000	ug/l		
	MTL	Barium	182.000	ug/l		K
	MTL	Calcium	141000.000	ug/l		
	MTL	Copper	21.600	ug/l		K
	MTL	Iron	2040.000	ug/l		
	MTL	Magnesium	26300.000	ug/l		
	MTL	Manganese	892.000	ug/l		
	MTL	Nickel	10.200	ug/l		K
	MTL	Potassium	8090.000	ug/l		
	MTL	Sodium	35100.000	ug/l		
	MTL	Zinc	61.800	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	VOC	Vinyl Chloride	13.000	ug/l		
	VOC	Total 1,2-Dichloroethene	4.000	ug/l		J
WR-GW09S-02						
	IND	Alkalinity	436.000	mg/l		
	IND	Chloride	76.000	mg/l		
	IND	Sulfate	176.000	mg/l		
	MTL	Aluminum	150.000	ug/l		
	MTL	Arsenic	10.600	ug/l		S
	MTL	Barium	139.000	ug/l		
	MTL	Calcium	213000.000	ug/l		
	MTL	Cobalt	5.100	ug/l		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Iron	7100.000	ug/l		
	MTL	Magnesium	32000.000	ug/l		
	MTL	Manganese	657.000	ug/l		
	MTL	Nickel	10.600	ug/l		K
	MTL	Potassium	12400.000	ug/l		
	MTL	Sodium	27700.000	ug/l		
	MTL	Zinc	21.200	ug/l		
	MTL	Cyanide, Total	0.014	mg/l	J	*
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	2-Methylphenol	3.000	ug/l		
	SVOC	4-Methylphenol	3.000	ug/l		
	TBNA	Unknown	3.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Unknown	14.000	ug/l		J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Unknown	3.000	ug/l		J
	TBNA	Unknown	4.000	ug/l		J
	TBNA	Unknown	13.000	ug/l		J
	TBNA	Unknown	79.000	ug/l		J
	TBNA	Unknown	6.000	ug/l		J
	TBNA	Unknown	67.000	ug/l		J
	TBNA	Unknown	6.000	ug/l		J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	9.000	ug/l		J
	TBNA	Unknown	4.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Unknown	4.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Undecane	5.000	ug/l		J
	TBNA	3,7,11-Tridecatrienenitrile,4, 8,12-Trimethyl	3.000	ug/l		J
	VOC	Vinyl Chloride	480.000	ug/l	NJ	E
	VOC	Carbon Disulfide	0.590	ug/l		J
	VOC	1,1-Dichloroethene	92.000	ug/l		
	VOC	1,1-Dichloroethane	8.300	ug/l		
	VOC	Total 1,2-Dichloroethene	32000.000	ug/l	J	BD
	VOC	1,1,1-Trichloroethane	9.900	ug/l		
	VOC	Trichloroethene	18000.000	ug/l	J	D
	VOC	4-Methyl-2-Pentanone	2.200	ug/l		
	VOC	Tetrachloroethene	27.000	ug/l		
	VOC	Toluene	21.000	ug/l	J	B

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-GW09S-92						
	IND	Alkalinity	448.000	mg/l		
	IND	Chloride	74.000	mg/l		
	IND	Sulfate	173.000	mg/l		
	MTL	Arsenic	10.700	ug/l		S
	MTL	Barium	138.000	ug/l		
	MTL	Calcium	222000.000	ug/l		
	MTL	Iron	6930.000	ug/l		
	MTL	Magnesium	33600.000	ug/l		
	MTL	Manganese	681.000	ug/l		
	MTL	Nickel	9.000	ug/l		K
	MTL	Potassium	13500.000	ug/l		
	MTL	Sodium	30100.000	ug/l		
	MTL	Zinc	21.200	ug/l		
	MTL	Cyanide, Total	0.017	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	2-Methylphenol	3.000	ug/l		
	SVOC	4-Methylphenol	3.000	ug/l		
	SVOC	Diethylphthalate	0.600	ug/l		J
	TBNA	Unknown	6.000	ug/l		J
	TBNA	Unknown	9.000	ug/l		J
	TBNA	Unknown	4.000	ug/l		J
	TBNA	Unknown	3.000	ug/l		J
	TBNA	Unknown	67.000	ug/l		J
	TBNA	Unknown	11.000	ug/l		J
	TBNA	Unknown	9.000	ug/l		J
	TBNA	Unknown	11.000	ug/l		J
	TBNA	Unknown	3.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Unknown	4.000	ug/l		J
	TBNA	Unknown	13.000	ug/l		J
	TBNA	Unknown	10.000	ug/l		J
	TBNA	Unknown	3.000	ug/l		J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	77.000	ug/l		J
	TBNA	Propane, 2,2'-oxybis[2-Methyl]-	5.000	ug/l		J
	TBNA	Undecane	5.000	ug/l		J
	TBNA	3,7,11-Tridecatrienenitrile,4,8,12-Trimethyl	5.000	ug/l		J
	TBNA	Propane, 1-(1,1-dimethylethoxy)-2-methyl)-	9.000	ug/l		J
	VOC	Vinyl Chloride	730.000	ug/l	NJ	E

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	1,1-Dichloroethene	67.000	ug/l		
	VOC	1,1-Dichloroethane	55.000	ug/l		
	VOC	Total 1,2-Dichloroethene	38000.000	ug/l	J	BD
	VOC	1,1,1-Trichloroethane	11.000	ug/l		
	VOC	Trichloroethene	25000.000	ug/l	J	D
	VOC	Tetrachloroethene	27.000	ug/l		
	VOC	Toluene	18.000	ug/l	J	B
WR-GW10S-02						
	IND	Alkalinity	524.000	mg/l		
	IND	Chloride	80.000	mg/l		
	IND	Sulfate	33.000	mg/l		
	MTL	Aluminum	40.500	ug/l		K
	MTL	Barium	53.700	ug/l		K
	MTL	Calcium	58700.000	ug/l		
	MTL	Iron	21.900	ug/l		K
	MTL	Magnesium	33600.000	ug/l		
	MTL	Manganese	108.000	ug/l		
	MTL	Potassium	1860.000	ug/l		K
	MTL	Sodium	16500.000	ug/l		
	MTL	Zinc	8.900	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	2-Methylphenol	29.000	ug/l		
	SVOC	4-Methylphenol	14.000	ug/l		
	SVOC	bis(2-Ethylhexyl)phthalate	6.000	ug/l		J
	TBNA	Unknown	20.000	ug/l		J
	TBNA	Unknown	140.000	ug/l		J
	TBNA	Unknown	13.000	ug/l		J
	TBNA	Unknown	150.000	ug/l		J
	TBNA	Unknown	270.000	ug/l		J
	TBNA	Unknown	94.000	ug/l		J
	TBNA	Unknown	140.000	ug/l		J
	TBNA	Unknown Alkane	11.000	ug/l		J
	TBNA	Hexadecanoic Acid	17.000	ug/l		J
	TBNA	Dodecane	12.000	ug/l		J
	TBNA	Undecane	25.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	11.000	ug/l		J
	TBNA	Decane	17.000	ug/l		J
	TBNA	Sulfur, Mol. (S8)	300.000	ug/l		J
	TBNA	1-Hexadecyne	470.000	ug/l		J
	TBNA	Heptane, 5-ethyl-2-methyl	10.000	ug/l		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Methane, Tert-butoxyisopropoxy-	24.000	ug/l		J
	TBNA	Undecane, 4,7-Dimethyl-	11.000	ug/l		J
	TBNA	Hydroxylamine, O-Decyl-	14.000	ug/l		J
	TBNA	9-Eicosyne	15.000	ug/l		J
	VOC	Vinyl Chloride	2800.000	ug/l	J	D
	VOC	1,1-Dichloroethene	20.000	ug/l		
	VOC	1,1-Dichloroethane	140.000	ug/l	J	D
	VOC	Total 1,2-Dichloroethene	26000.000	ug/l	J	D
	VOC	Trichloroethene	2.000	ug/l	J	J
	VOC	Benzene	7.000	ug/l	J	
	VOC	Toluene	3500.000	ug/l	J	BD
	VOC	Ethylbenzene	4.000	ug/l	J	J
	VOC	Total Xylenes	28.000	ug/l	J	
WR-GW11S-02						
	IND	Alkalinity	493.000	mg/l		
	IND	Chloride	50.000	mg/l		
	IND	Sulfate	76.000	mg/l		
	MTL	Barium	285.000	ug/l		
	MTL	Calcium	162000.000	ug/l		
	MTL	Iron	6860.000	ug/l		
	MTL	Magnesium	38800.000	ug/l		
	MTL	Manganese	326.000	ug/l		
	MTL	Potassium	9810.000	ug/l		
	MTL	Sodium	28300.000	ug/l		
	MTL	Zinc	14.500	ug/l		K
	MTL	Cyanide, Total	0.040	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	67.000	ug/l		J
	TBNA	Unknown	9.000	ug/l		J
	TBNA	Unknown	61.000	ug/l		J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	390.000	ug/l		J
	TVOA	Ethyl Ether	31.000	ug/l		J
	VOC	Vinyl Chloride	3.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	19.000	ug/l		
WR-GW12S-01						
	IND	Alkalinity	470.000	mg/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	IND	Chloride	48.000	mg/l		
	IND	Sulfate	174.000	mg/l		
	MTL	Arsenic	5.100	ug/l	J	KW
	MTL	Barium	221.000	ug/l		
	MTL	Calcium	158000.000	ug/l		
	MTL	Copper	6.500	ug/l		K
	MTL	Iron	35.300	ug/l		K
	MTL	Magnesium	54700.000	ug/l		
	MTL	Manganese	1370.000	ug/l		
	MTL	Nickel	43.800	ug/l		
	MTL	Potassium	35200.000	ug/l		
	MTL	Selenium	1.800	ug/l	J	KW
	MTL	Sodium	60700.000	ug/l		
	MTL	Zinc	10.300	ug/l		K
	MTL	Cyanide, Total	0.150	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	42.000	ug/l		J
	TBNA	Hexadecanoic Acid	10.000	ug/l		J
	TBNA	Dodecane, 2-Methyl-	10.000	ug/l		J
	TBNA	Propanoic Acid, 2-Methyl-, 1-(1,1-Dimethylethyl)-2-Methyl -1,3-Propane	11.000	ug/l		J
	TBNA	Benzene,1,2,4-Trimethyl-	9.000	ug/l		J
	TBNA	Benzene,1,2,3-Trimethyl-	10.000	ug/l		J
	TBNA	Pentadecane, 8-hexyl-	8.000	ug/l		J
	VOC	Vinyl Chloride	2.000	ug/l		J
	VOC	1,1-Dichloroethane	2.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	470.000	ug/l	J	D
WR-GW13D-01						
	IND	Alkalinity	366.000	mg/l		
	IND	Chloride	6.000	mg/l		
	IND	Sulfate	18.000	mg/l		
	MTL	Aluminum	74.600	ug/l		K
	MTL	Arsenic	5.200	ug/l		K
	MTL	Barium	173.000	ug/l		K
	MTL	Calcium	70700.000	ug/l		
	MTL	Copper	6.900	ug/l		K
	MTL	Iron	167.000	ug/l		
	MTL	Magnesium	33200.000	ug/l		
	MTL	Manganese	133.000	ug/l		
	MTL	Potassium	3220.000	ug/l		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Sodium	22200.000	ug/l		
	MTL	Zinc	18.200	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Ethanol,2-Chlorophosphate	14.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW13S-01						
	IND	Alkalinity	482.000	mg/l		
	IND	Chloride	45.000	mg/l		
	IND	Sulfate	182.000	mg/l		
	MTL	Aluminum	36.100	ug/l		K
	MTL	Antimony	32.700	ug/l		K
	MTL	Arsenic	3.600	ug/l		K
	MTL	Barium	70.500	ug/l		K
	MTL	Calcium	186000.000	ug/l		
	MTL	Iron	4330.000	ug/l		
	MTL	Magnesium	47000.000	ug/l		
	MTL	Manganese	275.000	ug/l		
	MTL	Nickel	16.700	ug/l		K
	MTL	Potassium	7730.000	ug/l		
	MTL	Sodium	28700.000	ug/l		
	MTL	Zinc	54.200	ug/l		
	MTL	Cyanide, Total	0.048	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	53.000	ug/l		J
	TBNA	2-Propanol, 1-[2-(2-Methoxy-1-Methylethoxy)-1-Methylethoxy]	70.000	ug/l		J
	VOC	Total 1,2-Dichloroethene	28.000	ug/l		
WR-GW14S-01						
	IND	Alkalinity	469.000	mg/l		
	IND	Chloride	75.000	mg/l		
	IND	Sulfate	183.000	mg/l		
	MTL	Arsenic	5.400	ug/l		K
	MTL	Barium	89.100	ug/l		K
	MTL	Calcium	222000.000	ug/l		
	MTL	Iron	7870.000	ug/l		
	MTL	Magnesium	47000.000	ug/l		
	MTL	Manganese	372.000	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Potassium	6140.000	ug/l		
	MTL	Sodium	16800.000	ug/l		
	MTL	Zinc	3.500	ug/l		K
	MTL	Cyanide, Total	0.035	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Benzene,1,2,4-Trimethyl-	10.000	ug/l		J
	TBNA	Benzene,1,2,3-Trimethyl-	8.000	ug/l		J
	VOC	Vinyl Chloride	140.000	ug/l	J	D
	VOC	1,1-Dichloroethane	270.000	ug/l	J	D
	VOC	Total 1,2-Dichloroethene	650.000	ug/l	J	D
	VOC	1,1,1-Trichloroethane	6.000	ug/l		
WR-GW83A(D)-02						
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Isophorone	0.800	ug/l		J
	SVOC	Diethylphthalate	2.000	ug/l		J
	SVOC	Di-n-butylphthalate	0.300	ug/l		J
	TBNA	Unknown	27.000	ug/l		J
	TBNA	Unknown	23.000	ug/l		J
	TBNA	Unknown	75.000	ug/l		J
	TBNA	Unknown	12.000	ug/l		J
	TBNA	Unknown	14.000	ug/l		J
	TBNA	Unknown	40.000	ug/l		J
	TBNA	Unknown	4.000	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	11.000	ug/l		J
	TBNA	1-Propanol, 2-(2-Methoxypropyl)	5.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	19.000	ug/l		J
	TBNA	Hexanoic Acid, 2-ethyl-	4.000	ug/l		J
	TBNA	Morpholine, 4-acetyl-	3.000	ug/l		J
	TBNA	2-Propanol, 1-(2-methoxypropoxy)-	2.000	ug/l		J
	TBNA	1-Hexanol, 2-ethyl-	4.000	ug/l		J
	TBNA	Ethanol,2-Butoxy-	6.000	ug/l		J
	TBNA	Oxirane,2,2'-[oxybis(methylene)]bis-	2.000	ug/l		J
	VOC	Vinyl Chloride	43.000	ug/l		
WR-GW83A(D)-03						

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TVOA	Furan, tetrahydro-	2.500	ug/l		J
	TVOA	Ethyl Ether	17.000	ug/l		J
	VOC	Vinyl Chloride	38.000	ug/l		
	VOC	Total 1,2-Dichloroethene	7.200	ug/l		
	VOC	Toluene	0.900	ug/l	J	
WR-GW83A(S)-02						
	IND	Alkalinity	134.000	mg/l		
	IND	Chloride	21.000	mg/l		
	IND	Sulfate	91.000	mg/l		
	MTL	Aluminum	2460.000	ug/l		
	MTL	Barium	117.000	ug/l		K
	MTL	Calcium	57900.000	ug/l		
	MTL	Copper	6.000	ug/l		K
	MTL	Iron	21.000	ug/l		K
	MTL	Magnesium	14400.000	ug/l		
	MTL	Manganese	49.200	ug/l		
	MTL	Potassium	24600.000	ug/l		
	MTL	Sodium	23000.000	ug/l		
	MTL	Zinc	5.400	ug/l		K
	MTL	Cyanide, Total	0.022	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	92.000	ug/l		J
	TBNA	Unknown	240.000	ug/l		J
	TBNA	Unknown	30.000	ug/l		J
	TBNA	Unknown	53.000	ug/l		J
	TBNA	Unknown	220.000	ug/l		J
	TBNA	Unknown	240.000	ug/l		J
	TBNA	Unknown	120.000	ug/l		J
	TBNA	Unknown	38.000	ug/l		J
	TBNA	2-Propanol, 1-(2-Methoxy-1-Methylethoxy)	9.000	ug/l		J
	TBNA	Benzoic Acid, 4-(1,1-Dimethylethyl)-	68.000	ug/l		J
	TVOA	Unknown	5.000	ug/l		J
	TVOA	Ethyl Ether	100.000	ug/l		J
	TVOA	1,4-Butanediol	9.000	ug/l		J
	VOC	Vinyl Chloride	140.000	ug/l		
	VOC	Toluene	0.700	ug/l	J	J
WR-GW83B-02						

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Phenol	6.000	ug/l		
	SVOC	Isophorone	2.000	ug/l		J
	SVOC	Naphthalene	0.100	ug/l		J
	SVOC	bis(2-Ethylhexyl)phthalate	32.000	ug/l		B
	TBNA	1-Hexanol, 2-ethyl-	21.000	ug/l		J
	VOC	Chloroform	12.000	ug/l		J
WR-GW83D-02						
	IND	Alkalinity	170.000	mg/l		
	IND	Chloride	10.000	mg/l		
	IND	Sulfate	42.000	mg/l		
	MTL	Aluminum	23800.000	ug/l		
	MTL	Arsenic	20.000	ug/l		
	MTL	Barium	12.300	ug/l		K
	MTL	Calcium	48100.000	ug/l		
	MTL	Copper	5.500	ug/l		K
	MTL	Iron	48.400	ug/l		K
	MTL	Lead	2.300	ug/l	J	KW
	MTL	Magnesium	77.900	ug/l		K
	MTL	Potassium	2070.000	ug/l		K
	MTL	Selenium	2.200	ug/l		K
	MTL	Sodium	14500.000	ug/l		
	MTL	Vanadium	5.300	ug/l		K
	MTL	Cyanide, Total	0.025	mg/l	J	
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	bis(2-Ethylhexyl)phthalate	6.000	ug/l		J
	TBNA	Unknown	14.000	ug/l		J
	TBNA	3,7,11-Tridecatrienenitrile,4, 8,12-Trimethyl	16.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-GW83E-02						
	IND	Alkalinity	491.000	mg/l		
	IND	Chloride	48.000	mg/l		
	IND	Sulfate	136.000	mg/l		
	MTL	Barium	111.000	ug/l		K
	MTL	Calcium	169000.000	ug/l		
	MTL	Iron	272.000	ug/l		
	MTL	Magnesium	47100.000	ug/l		
	MTL	Manganese	218.000	ug/l		
	MTL	Nickel	9.700	ug/l		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Potassium	7820.000	ug/l		
	MTL	Sodium	28300.000	ug/l		
	MTL	Zinc	22.700	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	54.000	ug/l		J
	TBNA	Unknown	25.000	ug/l		J
	TBNA	Unknown	120.000	ug/l		J
	TBNA	Unknown	90.000	ug/l		J
	TBNA	Unknown	31.000	ug/l		J
	TBNA	Unknown	130.000	ug/l		J
	TBNA	Unknown	23.000	ug/l		J
	TBNA	Benzene,1,3,5-Trimethyl-	13.000	ug/l		J
	TBNA	Benzene,1,2,4-Trimethyl-	12.000	ug/l		J
	TVOA	Unknown	8.000	ug/l		J
	TVOA	Ethane, 1,2-Diethoxy-	10.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-GWOPH-02						
	IND	Alkalinity	314.000	mg/l		
	IND	Chloride	3.000	mg/l		
	IND	Sulfate	11.000	mg/l		
	MTL	Aluminum	75.000	ug/l		K
	MTL	Arsenic	12.300	ug/l		
	MTL	Barium	252.000	ug/l		
	MTL	Calcium	183000.000	ug/l		
	MTL	Chromium, Total	6.900	ug/l		K
	MTL	Iron	5010.000	ug/l		
	MTL	Magnesium	32800.000	ug/l		
	MTL	Manganese	480.000	ug/l		
	MTL	Nickel	18.000	ug/l		K
	MTL	Potassium	9560.000	ug/l		
	MTL	Selenium	1.800	ug/l	J	KW
	MTL	Sodium	30900.000	ug/l		
	MTL	Zinc	9.200	ug/l		K
	MTL	Cyanide, Total	0.008	mg/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	bis(2-Ethylhexyl)phthalate	160.000	ug/l		B
	TBNA	Unknown	14.000	ug/l		J
	TBNA	Benzene,1,3,5-Trimethyl-	12.000	ug/l		J
	TBNA	Benzene,1,2,4-Trimethyl-	10.000	ug/l		J
	TVOA	Unknown	6.000	ug/l		J
	VOC	1,1,1-Trichloroethane	1.000	ug/l		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-TB001-02						
	VOC	Chloroform	6.000	ug/l		
	VOC	Bromodichloromethane	3.000	ug/l		J
WR-TB002-02						
	VOC	No Compounds Detected	0.000	ug/l		
WR-TB003-02						
	VOC	No Compounds Detected	0.000	ug/l		
WR-TB004-02						
	VOC	Chloroform	6.000	ug/l		
	VOC	Bromodichloromethane	2.000	ug/l		J
	VOC	Dibromochloromethane	1.000	ug/l		J
WR-TB005-02						
	TVOA	Pentane	1.300	ug/l		J
	VOC	1,1,1-Trichloroethane	0.740	ug/l		
	VOC	Dibromochloromethane	0.520	ug/l		
	VOC	Benzene	0.070	ug/l	J	J
	VOC	Toluene	1.000	ug/l	J	
	VOC	Ethylbenzene	0.100	ug/l	J	J
	VOC	Total Xylenes	3.200	ug/l	J	
WR-TB006-02						
	VOC	Bromodichloromethane	0.820	ug/l		
WR-TB007-02						
	TVOA	Propane, 2-methyl-	2.600	ug/l		J
	VOC	Ethylbenzene	0.100	ug/l	J	J
	VOC	Total Xylenes	0.400	ug/l	J	
WR-TB01B-01						
	VOC	Chloroform	35.000	ug/l		
	VOC	Bromodichloromethane	9.200	ug/l		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Dibromochloromethane	3.500	ug/l		

WARZYN

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WATER SUPPLY WELL RESULTS

WARZYN ENGINEERING INC.
PHASE II LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-MW01-01						
	IND	Alkalinity	357.000	mg/l		
	IND	Chloride	4.000	mg/l		
	IND	Sulfate	26.000	mg/l		
	MTL	Arsenic	5.600	ug/l		S
	MTL	Barium	126.000	ug/l		
	MTL	Calcium	77700.000	ug/l		
	MTL	Copper	5.000	ug/l		K
	MTL	Iron	1130.000	ug/l		
	MTL	Magnesium	35900.000	ug/l		
	MTL	Manganese	132.000	ug/l		
	MTL	Potassium	1630.000	ug/l		K
	MTL	Sodium	15300.000	ug/l		
	MTL	Zinc	7.300	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	0.200	ug/l		J
	TBNA	Unknown	1.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-MW01-02						
	VOC	2-Butanone	15.000	ug/l	J	
WR-MW02-01						
	IND	Alkalinity	351.000	mg/l		
	IND	Chloride	6.000	mg/l		
	IND	Sulfate	43.000	mg/l		
	MTL	Arsenic	8.600	ug/l		S
	MTL	Barium	144.000	ug/l		
	MTL	Calcium	85100.000	ug/l		
	MTL	Iron	1540.000	ug/l		
	MTL	Magnesium	36400.000	ug/l		
	MTL	Manganese	132.000	ug/l		
	MTL	Potassium	1420.000	ug/l		K
	MTL	Sodium	11700.000	ug/l		
	MTL	Zinc	6.900	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Phenol	2.000	ug/l		
	SVOC	Diethylphthalate	0.300	ug/l		J
	TBNA	Unknown	1.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		

WARZYN

WARZYN ENGINEERING INC.
PHASE II LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-MW02-02						
	VOC	Ethylbenzene	0.620	ug/l		
	VOC	Total Xylenes	0.780	ug/l		
WR-MW02-91						
	IND	Alkalinity	350.000	mg/l		
	IND	Chloride	6.000	mg/l		
	IND	Sulfate	43.000	mg/l		
	MTL	Aluminum	43.900	ug/l		K
	MTL	Arsenic	8.600	ug/l		S
	MTL	Barium	150.000	ug/l		
	MTL	Calcium	88100.000	ug/l		
	MTL	Iron	1430.000	ug/l		
	MTL	Magnesium	38300.000	ug/l		
	MTL	Manganese	137.000	ug/l		
	MTL	Potassium	1660.000	ug/l		K
	MTL	Silver	4.100	ug/l		K
	MTL	Sodium	12100.000	ug/l		
	MTL	Zinc	6.200	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Phenol	0.500	ug/l		J
	SVOC	Diethylphthalate	0.100	ug/l		J
	SVOC	Di-n-octylphthalate	3.000	ug/l		
	TBNA	Unknown	1.000	ug/l		J
	TBNA	Unknown Phthalate	4.000	ug/l		J
	TBNA	Unknown Phthalate	6.000	ug/l		J
	TBNA	Unknown Phthalate	1.000	ug/l		J
	TBNA	Unknown Phthalate	3.000	ug/l		J
	TBNA	Unknown Phthalate	2.000	ug/l		J
	TBNA	Unknown Phthalate	1.000	ug/l		J
	TBNA	Unknown Phthalate	1.000	ug/l		J
	TBNA	Unknown Phthalate	2.000	ug/l		J
	TBNA	1,2-Benzenedicarboxylic Acid, 3-Nitro-	1.000	ug/l		J
	TBNA	1,2-Benzenedicarboxylic Acid, Decyl Octyl Ester	2.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-MW02-92						
	VOC	Ethylbenzene	0.700	ug/l		
	VOC	Total Xylenes	0.870	ug/l		

WARZYN

WARZYN ENGINEERING INC.
PHASE II LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-PW01-01						
	IND	Alkalinity	361.000	mg/l		
	IND	Chloride	10.000	mg/l		
	IND	Sulfate	107.000	mg/l		
	MTL	Arsenic	7.200	ug/l		S
	MTL	Barium	215.000	ug/l		
	MTL	Calcium	96000.000	ug/l		
	MTL	Iron	1370.000	ug/l		
	MTL	Magnesium	46500.000	ug/l		
	MTL	Manganese	147.000	ug/l		
	MTL	Potassium	1890.000	ug/l		K
	MTL	Sodium	16900.000	ug/l		
	MTL	Zinc	8.700	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
WR-PW01-02						
	IND	Alkalinity	354.000	mg/l		
	IND	Chloride	8.000	mg/l		
	IND	Sulfate	101.000	mg/l		
	MTL	Aluminum	53.300	ug/l		K
	MTL	Arsenic	9.900	ug/l		K
	MTL	Barium	255.000	ug/l		
	MTL	Calcium	103000.000	ug/l		
	MTL	Iron	2070.000	ug/l		
	MTL	Magnesium	49600.000	ug/l		
	MTL	Manganese	151.000	ug/l		
	MTL	Potassium	2270.000	ug/l		K
	MTL	Sodium	19400.000	ug/l		
	MTL	Zinc	4.600	ug/l		K
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	No Compounds Detected	0.000	ug/l		
	TBNA	Unknown	2.000	ug/l		J
	TBNA	Unknown	3.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-PW02-01						
	IND	Alkalinity	366.000	mg/l		
	IND	Chloride	34.000	mg/l		
	IND	Sulfate	171.000	mg/l		
	MTL	Aluminum	47.900	ug/l		K

WARZYN

WARZYN ENGINEERING INC.
PHASE II LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Ground Water

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Arsenic	6.700	ug/l		S
	MTL	Barium	111.000	ug/l		
	MTL	Calcium	136000.000	ug/l		
	MTL	Iron	4500.000	ug/l		
	MTL	Magnesium	46700.000	ug/l		
	MTL	Manganese	204.000	ug/l		
	MTL	Potassium	1690.000	ug/l		K
	MTL	Sodium	16400.000	ug/l		
	MTL	Zinc	154.000	ug/l		
	P/PCB	No Compounds Detected	0.000	ug/l		
	SVOC	Diethylphthalate	2.000	ug/l		
	SVOC	Butylbenzylphthalate	0.200	ug/l		J
	TBNA	Unknown	2.000	ug/l		J
	VOC	No Compounds Detected	0.000	ug/l		
WR-PW02-02						
	VOC	No Compounds Detected	0.000	ug/l		

WARZYN

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PHASE I SOIL RESULTS

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB001-02						
	MTL	Arsenic	12.500	mg/kg	J	
	MTL	Barium	30.500	mg/kg		
	MTL	Calcium	11500.000	mg/kg		
	MTL	Chromium, Total	10.300	mg/kg	J	*
	MTL	Copper	47.600	mg/kg	J	
	MTL	Iron	18600.000	mg/kg	J	*
	MTL	Lead	22.200	mg/kg	J	N
	MTL	Magnesium	2490.000	mg/kg		
	MTL	Manganese	138.000	mg/kg		
	MTL	Mercury	0.030	mg/kg	J	N
	MTL	Nickel	14.600	mg/kg	J	N
	MTL	Potassium	800.000	mg/kg	J	
	MTL	Selenium	1.600	mg/kg	J	N*+
	MTL	Thallium	0.300	mg/kg		*
	MTL	Vanadium	11.700	mg/kg	J	*
	MTL	Zinc	61.900	mg/kg	J	*
	MTL	Percent Solids	83.800	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	3-Hexen-2-one, 5-methyl-	650.000	ug/kg	J	
	TVOA	Unknown	6.000	ug/kg	J	
	TVOA	Unknown	50.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	10.000	ug/kg	J	
	VOC	Toluene	160.000	ug/kg		B
WR-SB001-06						
	MTL	Arsenic	11.500	mg/kg	J	
	MTL	Barium	45.000	mg/kg		
	MTL	Calcium	88300.000	mg/kg		
	MTL	Cobalt	5.900	mg/kg	J	
	MTL	Copper	63.100	mg/kg	J	
	MTL	Iron	16800.000	mg/kg	J	*
	MTL	Lead	13.000	mg/kg	J	N
	MTL	Magnesium	20700.000	mg/kg		
	MTL	Manganese	490.000	mg/kg		
	MTL	Nickel	21.300	mg/kg	J	N
	MTL	Potassium	1740.000	mg/kg	J	
	MTL	Thallium	0.300	mg/kg		*
	MTL	Vanadium	10.900	mg/kg	J	*
	MTL	Zinc	77.700	mg/kg	J	*
	MTL	Percent Solids	88.800	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	3-Hexen-2-one, 5-methyl-	750.000	ug/kg	J	
	TVOA	Hexane	6.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	12.000	ug/kg	J	
	VOC	Toluene	120.000	ug/kg		B
WR-SB001-10						
	MTL	Arsenic	11.000	mg/kg	J	
	MTL	Barium	36.400	mg/kg		
	MTL	Calcium	75500.000	mg/kg		
	MTL	Chromium, Total	6.800	mg/kg	J	*
	MTL	Copper	10.400	mg/kg	J	
	MTL	Iron	11300.000	mg/kg	J	*
	MTL	Lead	9.800	mg/kg	J	N
	MTL	Magnesium	19200.000	mg/kg		
	MTL	Manganese	224.000	mg/kg		
	MTL	Potassium	1210.000	mg/kg	J	
	MTL	Thallium	0.300	mg/kg		*
	MTL	Zinc	35.500	mg/kg	J	*
	MTL	Percent Solids	88.100	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	110.000	ug/kg		J
	TBNA	3-Hexen-2-one, 5-methyl-	520.000	ug/kg	J	
	VOC	Chloroform	4.000	ug/kg		J
	VOC	Toluene	92.000	ug/kg		B
WR-SB002-02						
	MTL	Arsenic	8.000	mg/kg	J	
	MTL	Barium	28.100	mg/kg		
	MTL	Calcium	44100.000	mg/kg		
	MTL	Chromium, Total	6.600	mg/kg	J	*
	MTL	Cobalt	5.900	mg/kg	J	
	MTL	Copper	13.100	mg/kg	J	
	MTL	Iron	8440.000	mg/kg	J	*
	MTL	Lead	17.600	mg/kg	J	N
	MTL	Magnesium	6370.000	mg/kg		
	MTL	Manganese	241.000	mg/kg		
	MTL	Nickel	9.800	mg/kg	J	N
	MTL	Potassium	640.000	mg/kg	J	
	MTL	Thallium	0.200	mg/kg		*
	MTL	Vanadium	10.000	mg/kg	J	*
	MTL	Zinc	37.700	mg/kg	J	*

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Percent Solids	84.800	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	76.000	ug/kg		J
	TBNA	3-Hexen-2-one, 5-methyl-	690.000	ug/kg	J	
	TVOA	Hexane	15.000	ug/kg	J	
	TVOA	Pentane	9.000	ug/kg	J	
	TVOA	Disulfide, dimethyl-	14.000	ug/kg	J	
	VOC	Chloroform	3.000	ug/kg		J
	VOC	Trichloroethene	43.000	ug/kg		
	VOC	Tetrachloroethene	11.000	ug/kg		
	VOC	Toluene	62.000	ug/kg		B
WR-SB002-06						
	MTL	Arsenic	9.600	mg/kg	J	
	MTL	Barium	41.000	mg/kg		
	MTL	Calcium	1190.000	mg/kg		
	MTL	Chromium, Total	10.000	mg/kg	J	*
	MTL	Copper	21.000	mg/kg	J	
	MTL	Iron	15300.000	mg/kg	J	*
	MTL	Lead	11.600	mg/kg	J	N
	MTL	Magnesium	1670.000	mg/kg		
	MTL	Manganese	375.000	mg/kg		
	MTL	Mercury	0.053	mg/kg	J	N
	MTL	Nickel	6.100	mg/kg	J	N
	MTL	Potassium	259.000	mg/kg	J	
	MTL	Selenium	1.600	mg/kg	J	*N+
	MTL	Thallium	0.400	mg/kg		*
	MTL	Vanadium	9.400	mg/kg	J	*
	MTL	Zinc	48.600	mg/kg	J	*
	MTL	Percent Solids	84.900	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Unknown	6.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	9.000	ug/kg	J	
	VOC	Vinyl Chloride	8.000	ug/kg		J
	VOC	Total 1,2-Dichloroethene	21.000	ug/kg		
	VOC	Trichloroethene	41.000	ug/kg		
	VOC	Tetrachloroethene	9.000	ug/kg		
WR-SB002-10						
	MTL	Arsenic	12.900	mg/kg	J	
	MTL	Barium	39.800	mg/kg		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Calcium	92700.000	mg/kg		
	MTL	Chromium, Total	11.300	mg/kg	J	*
	MTL	Cobalt	10.400	mg/kg	J	
	MTL	Copper	28.200	mg/kg	J	
	MTL	Iron	15000.000	mg/kg	J	*
	MTL	Lead	9.300	mg/kg	J	N
	MTL	Magnesium	22600.000	mg/kg		
	MTL	Manganese	316.000	mg/kg		
	MTL	Nickel	18.300	mg/kg	J	N
	MTL	Potassium	1490.000	mg/kg	J	
	MTL	Thallium	0.400	mg/kg		*
	MTL	Zinc	57.000	mg/kg	J	*
	MTL	Percent Solids	89.500	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Acetic Acid, hexyl ester-	7.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	84.000	ug/kg		
	VOC	Trichloroethene	110.000	ug/kg		
	VOC	Tetrachloroethene	4.000	ug/kg		J
	VOC	Toluene	220.000	ug/kg		B
WR-SB003-02						
	MTL	Arsenic	14.400	mg/kg	J	*N
	MTL	Barium	9.600	mg/kg		
	MTL	Calcium	126000.000	mg/kg		
	MTL	Copper	16.600	mg/kg	J	
	MTL	Iron	12900.000	mg/kg	J	*
	MTL	Lead	16.700	mg/kg	J	N
	MTL	Magnesium	15900.000	mg/kg		
	MTL	Manganese	311.000	mg/kg		
	MTL	Nickel	29.800	mg/kg	J	N
	MTL	Potassium	899.000	mg/kg	J	
	MTL	Selenium	1.500	mg/kg	J	N*+
	MTL	Thallium	0.600	mg/kg		*
	MTL	Vanadium	7.800	mg/kg	J	*
	MTL	Zinc	64.200	mg/kg	J	*
	MTL	Cyanide, Total	3.980	mg/kg		
	MTL	Percent Solids	92.300	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	73.000	ug/kg		J
	TBNA	Acetic Acid, 1-methylpropyl-	460.000	ug/kg	J	
	TBNA	3-Hexen-2,5-dione	620.000	ug/kg	J	
	TBNA	Unknown Alkane	160.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown Alkane	230.000	ug/kg	J	
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-	230.000	ug/kg	J	
	TVOA	Pentane	6.000	ug/kg	J	
	VOC	Chloroform	3.000	ug/kg		J
	VOC	Toluene	150.000	ug/kg		B
WR-SB003-06						
	MTL	Arsenic	14.600	mg/kg	J	*N
	MTL	Barium	18.800	mg/kg		
	MTL	Calcium	144000.000	mg/kg		
	MTL	Chromium, Total	5.500	mg/kg	J	*
	MTL	Copper	18.700	mg/kg	J	
	MTL	Iron	19300.000	mg/kg	J	*
	MTL	Lead	14.000	mg/kg	J	N
	MTL	Magnesium	19000.000	mg/kg		
	MTL	Manganese	377.000	mg/kg		
	MTL	Nickel	24.100	mg/kg	J	N
	MTL	Potassium	1160.000	mg/kg	J	
	MTL	Selenium	2.000	mg/kg	J	*N+
	MTL	Thallium	0.700	mg/kg		*
	MTL	Vanadium	8.600	mg/kg	J	*
	MTL	Zinc	77.500	mg/kg	J	*
	MTL	Cyanide, Total	2.720	mg/kg		
	MTL	Percent Solids	94.200	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	56.000	ug/kg		J
	TBNA	Unknown	430.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl-	330.000	ug/kg	J	
	TBNA	Unknown Alkane	160.000	ug/kg	J	
	TVOA	Hexane	22.000	ug/kg	J	
	TVOA	Pentane	8.000	ug/kg	J	
	VOC	Acetone	160.000	ug/kg	J	B
	VOC	Chloroform	3.000	ug/kg		J
	VOC	Toluene	160.000	ug/kg		B
WR-SB003-06DUP						
	MTL	Arsenic	21.700	mg/kg	J	*N
	MTL	Barium	19.000	mg/kg		
	MTL	Calcium	136000.000	mg/kg		
	MTL	Copper	20.000	mg/kg	J	
	MTL	Iron	14300.000	mg/kg	J	*
	MTL	Lead	16.400	mg/kg	J	N

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Magnesium	22600.000	mg/kg		
	MTL	Manganese	355.000	mg/kg		
	MTL	Nickel	22.300	mg/kg	J	N
	MTL	Potassium	1190.000	mg/kg	J	
	MTL	Selenium	1.900	mg/kg	J	N*+
	MTL	Thallium	0.500	mg/kg		*
	MTL	Vanadium	10.400	mg/kg	J	*
	MTL	Zinc	62.700	mg/kg	J	*
	MTL	Percent Solids	94.200	%		
WR-SB003-10						
	MTL	Arsenic	12.400	mg/kg	J	*N
	MTL	Barium	15.900	mg/kg		
	MTL	Calcium	112000.000	mg/kg		
	MTL	Chromium, Total	7.500	mg/kg	J	*
	MTL	Copper	21.300	mg/kg	J	
	MTL	Iron	11900.000	mg/kg	J	*
	MTL	Lead	15.300	mg/kg	J	N
	MTL	Magnesium	26000.000	mg/kg		
	MTL	Manganese	34.300	mg/kg		
	MTL	Potassium	1340.000	mg/kg	J	
	MTL	Thallium	1.000	mg/kg		*
	MTL	Vanadium	8.300	mg/kg	J	*
	MTL	Zinc	57.800	mg/kg	J	*
	MTL	Percent Solids	91.600	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	110.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	230.000	ug/kg		J
	TBNA	Unknown	240.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl-	360.000	ug/kg	J	
	TBNA	Unknown Alkane	220.000	ug/kg	J	
	TBNA	Unknown Alkane	520.000	ug/kg	J	
	TBNA	Unknown Alkane	170.000	ug/kg	J	
	TVOA	Unknown	15.000	ug/kg	J	
	TVOA	Hexane	7.000	ug/kg	J	
	TVOA	Pentane	9.000	ug/kg	J	
	VOC	Chloroform	2.000	ug/kg		J
	VOC	Toluene	160.000	ug/kg		B
WR-SB003-10DUP						
	MTL	Arsenic	16.100	mg/kg	J	*N
	MTL	Barium	18.100	mg/kg		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Calcium	99200.000	mg/kg		
	MTL	Chromium, Total	6.800	mg/kg	J	*
	MTL	Copper	26.900	mg/kg	J	
	MTL	Iron	15400.000	mg/kg	J	*
	MTL	Lead	13.200	mg/kg	J	N
	MTL	Magnesium	22500.000	mg/kg		
	MTL	Manganese	340.000	mg/kg		
	MTL	Nickel	18.200	mg/kg	J	N
	MTL	Potassium	1280.000	mg/kg	J	
	MTL	Thallium	0.700	mg/kg		*
	MTL	Vanadium	6.500	mg/kg	J	*
	MTL	Zinc	76.800	mg/kg	J	*
	MTL	Cyanide, Total	3.390	mg/kg		
	MTL	Percent Solids	91.200	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	3-Hexen-2-one, 5-methyl-	390.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl-	390.000	ug/kg	J	
	TBNA	Unknown Alkane	190.000	ug/kg	J	
	TVOA	Unknown	12.000	ug/kg	J	
	TVOA	Hexane	6.000	ug/kg	J	
	TVOA	Pentane	15.000	ug/kg	J	
	VOC	Chloroform	2.000	ug/kg		J
	VOC	Toluene	77.000	ug/kg		B
WR-SB004-02						
	MTL	Arsenic	14.900	mg/kg	J	*N
	MTL	Barium	46.500	mg/kg		
	MTL	Calcium	25400.000	mg/kg		
	MTL	Chromium, Total	11.800	mg/kg	J	*
	MTL	Cobalt	7.700	mg/kg	J	
	MTL	Copper	24.700	mg/kg	J	
	MTL	Iron	16000.000	mg/kg	J	*
	MTL	Lead	10.800	mg/kg	J	*
	MTL	Magnesium	6380.000	mg/kg		
	MTL	Manganese	361.000	mg/kg		
	MTL	Mercury	0.034	mg/kg	J	N
	MTL	Nickel	18.100	mg/kg	J	N
	MTL	Potassium	962.000	mg/kg	J	
	MTL	Thallium	0.600	mg/kg		
	MTL	Vanadium	11.800	mg/kg	J	*
	MTL	Zinc	47.000	mg/kg	J	*
	MTL	Percent Solids	87.300	%		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Pentane	8.000	ug/kg	J	
	VOC	Toluene	69.000	ug/kg		B
WR-SB004-06						
	MTL	Arsenic	11.300	mg/kg	J	*N
	MTL	Barium	19.800	mg/kg		
	MTL	Calcium	101000.000	mg/kg		
	MTL	Chromium, Total	10.800	mg/kg	J	*
	MTL	Cobalt	5.900	mg/kg	J	
	MTL	Copper	29.700	mg/kg	J	
	MTL	Iron	13800.000	mg/kg	J	*
	MTL	Lead	10.300	mg/kg	J	*
	MTL	Magnesium	17800.000	mg/kg		
	MTL	Manganese	324.000	mg/kg		
	MTL	Mercury	0.028	mg/kg	J	N
	MTL	Nickel	15.600	mg/kg	J	N
	MTL	Potassium	1140.000	mg/kg	J	
	MTL	Thallium	0.300	mg/kg		
	MTL	Vanadium	15.200	mg/kg	J	*
	MTL	Zinc	59.800	mg/kg	J	*
	MTL	Percent Solids	89.100	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	500.000	ug/kg	J	
	TVOA	Unknown	7.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	10.000	ug/kg	J	
	VOC	Acetone	140.000	ug/kg	J	B
	VOC	Toluene	150.000	ug/kg		B
WR-SB005-02						
	MTL	Aluminum	3230.000	mg/kg		
	MTL	Arsenic	2.600	mg/kg		S
	MTL	Barium	35.800	mg/kg		K
	MTL	Cadmium	1.200	mg/kg		
	MTL	Calcium	1950.000	mg/kg		
	MTL	Chromium, Total	254.000	mg/kg		*
	MTL	Cobalt	3.500	mg/kg		K
	MTL	Copper	35.600	mg/kg		
	MTL	Iron	9550.000	mg/kg		
	MTL	Lead	13.400	mg/kg	J	S*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Magnesium	1420.000	mg/kg		
	MTL	Manganese	139.000	mg/kg	J	
	MTL	Nickel	9.000	mg/kg		K
	MTL	Potassium	391.000	mg/kg		K
	MTL	Vanadium	9.100	mg/kg		K
	MTL	Zinc	54.400	mg/kg		
	MTL	Cyanide, Total	14.500	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	340.000	ug/kg		JX
	TBNA	Unknown	430.000	ug/kg		J
	TBNA	Unknown	520.000	ug/kg		J
	TBNA	Unknown	2000.000	ug/kg		J
	TBNA	Unknown	1400.000	ug/kg		J
	TBNA	Unknown	660.000	ug/kg		J
	TBNA	Unknown	610.000	ug/kg		J
	TBNA	Unknown	1600.000	ug/kg		J
	TBNA	Unknown	860.000	ug/kg		J
	TBNA	Unknown	730.000	ug/kg		J
	TBNA	Unknown	880.000	ug/kg		J
	TBNA	Unknown	510.000	ug/kg		J
	TBNA	Unknown	620.000	ug/kg		J
	TBNA	Unknown	520.000	ug/kg		J
	TBNA	Unknown	520.000	ug/kg		J
	TBNA	Unknown	960.000	ug/kg		J
	TBNA	Unknown	980.000	ug/kg		J
	TBNA	Unknown	510.000	ug/kg		J
	TBNA	Unknown	1100.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	260.000	ug/kg		J
	TBNA	3-Heptanone, 2,4-dimethyl-	720.000	ug/kg		J
	TVOA	Hexane	18.000	ug/kg	J	
	VOC	Acetone	81.000	ug/kg		B
	VOC	Chloroform	12.000	ug/kg		B
	VOC	Toluene	340.000	ug/kg		B
WR-SB005-02DUP						
	MTL	Aluminum	2940.000	mg/kg		
	MTL	Arsenic	2.700	mg/kg		S
	MTL	Barium	32.000	mg/kg		K
	MTL	Calcium	2460.000	mg/kg		
	MTL	Chromium, Total	111.000	mg/kg		*
	MTL	Cobalt	4.100	mg/kg		K
	MTL	Copper	21.000	mg/kg		
	MTL	Iron	8310.000	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Lead	8.800	mg/kg	J	S*
	MTL	Magnesium	1690.000	mg/kg		
	MTL	Manganese	132.000	mg/kg	J	
	MTL	Nickel	7.500	mg/kg		K
	MTL	Potassium	345.000	mg/kg		K
	MTL	Vanadium	8.300	mg/kg		K
	MTL	Zinc	38.100	mg/kg		
	MTL	Cyanide, Total	17.000	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	480.000	ug/kg		J
	TBNA	Unknown	630.000	ug/kg		J
	TBNA	Unknown	370.000	ug/kg		J
	TBNA	Unknown	1300.000	ug/kg		J
	TBNA	Unknown	720.000	ug/kg		J
	TBNA	Unknown	1100.000	ug/kg		J
	TBNA	Unknown	1400.000	ug/kg		J
	TBNA	Unknown	570.000	ug/kg		J
	TBNA	Unknown	1300.000	ug/kg		J
	TBNA	Unknown	930.000	ug/kg		J
	TBNA	Unknown	680.000	ug/kg		J
	TBNA	Unknown	420.000	ug/kg		J
	TBNA	Unknown	870.000	ug/kg		J
	TBNA	Unknown	680.000	ug/kg		J
	TBNA	Unknown	690.000	ug/kg		J
	TBNA	Unknown	800.000	ug/kg		J
	TBNA	Dodecane	250.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	260.000	ug/kg		J
	TBNA	3-Heptanone, 2,4-dimethyl-	880.000	ug/kg		J
	TBNA	Octane, 2,5,6-Trimethyl-	610.000	ug/kg		J
	TVOA	Unknown	8.000	ug/kg	J	
	TVOA	Unknown	12.000	ug/kg	J	
	TVOA	Hexane	11.000	ug/kg	J	
	VOC	Acetone	79.000	ug/kg		B
WR-SB005-06						
	MTL	Aluminum	2770.000	mg/kg		
	MTL	Arsenic	2.400	mg/kg	J	S
	MTL	Barium	8.500	mg/kg		K
	MTL	Calcium	36900.000	mg/kg		
	MTL	Chromium, Total	11.000	mg/kg		*
	MTL	Cobalt	3.600	mg/kg		K
	MTL	Copper	6.200	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Iron	5810.000	mg/kg		
	MTL	Lead	3.100	mg/kg	J	S*
	MTL	Magnesium	18300.000	mg/kg		
	MTL	Manganese	111.000	mg/kg	J	
	MTL	Nickel	7.000	mg/kg		K
	MTL	Potassium	212.000	mg/kg		K
	MTL	Vanadium	8.600	mg/kg		K
	MTL	Zinc	22.900	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	150.000	ug/kg		JX
	TBNA	Unknown	160.000	ug/kg		J
	TBNA	Unknown	280.000	ug/kg		J
	TBNA	Unknown	550.000	ug/kg		J
	TBNA	3-Heptanone, 2,4-dimethyl-	300.000	ug/kg		J
	TVOA	Unknown	9.000	ug/kg	J	
	VOC	Acetone	24.000	ug/kg		
	VOC	1,1,1-Trichloroethane	4.000	ug/kg		J
WR-SB006-02						
	MTL	Aluminum	2400.000	mg/kg		
	MTL	Arsenic	3.800	mg/kg		S
	MTL	Barium	16.900	mg/kg		K
	MTL	Calcium	62800.000	mg/kg		
	MTL	Chromium, Total	6.600	mg/kg		*
	MTL	Cobalt	3.400	mg/kg		K
	MTL	Copper	10.800	mg/kg		
	MTL	Iron	6870.000	mg/kg		
	MTL	Lead	12.900	mg/kg	J	S*
	MTL	Magnesium	16500.000	mg/kg		
	MTL	Manganese	240.000	mg/kg	J	
	MTL	Nickel	8.300	mg/kg		K
	MTL	Potassium	387.000	mg/kg		K
	MTL	Vanadium	7.300	mg/kg		K
	MTL	Zinc	35.000	mg/kg		
	MTL	Cyanide, Total	67.400	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	740.000	ug/kg		J
	TBNA	Unknown	240.000	ug/kg		J
	TBNA	Unknown	3300.000	ug/kg		J
	TBNA	Unknown	240.000	ug/kg		J
	TBNA	Unknown	640.000	ug/kg		J
	TBNA	Unknown	410.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown	6800.000	ug/kg		J
	TBNA	Unknown	380.000	ug/kg		J
	TBNA	Unknown	890.000	ug/kg		J
	TBNA	Unknown	280.000	ug/kg		J
	TBNA	Unknown	890.000	ug/kg		J
	TBNA	Unknown	310.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	880.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	860.000	ug/kg		J
	TBNA	Ethanone, 1-(3-Methyloxiranyl)	480.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	250.000	ug/kg		J
	TBNA	Phosphoric Acid, trioctyl ester	430.000	ug/kg		J
	TBNA	1,3-Dioxolane-4-Methanol, 2-Pentadecyl-, Acetate, cis	670.000	ug/kg		J
	TBNA	Undecane, 3,5-dimethyl-	640.000	ug/kg		J
	VOC	Acetone	59.000	ug/kg		
	VOC	Trichloroethene	11.000	ug/kg		
WR-SB006-02DUP						
	MTL	Aluminum	2780.000	mg/kg		
	MTL	Arsenic	4.500	mg/kg	J	S
	MTL	Barium	21.300	mg/kg		K
	MTL	Calcium	54900.000	mg/kg		
	MTL	Chromium, Total	6.800	mg/kg		*
	MTL	Cobalt	3.300	mg/kg		K
	MTL	Copper	10.900	mg/kg		
	MTL	Iron	7120.000	mg/kg		
	MTL	Lead	10.000	mg/kg	J	S*
	MTL	Magnesium	13700.000	mg/kg		
	MTL	Manganese	211.000	mg/kg	J	
	MTL	Nickel	7.600	mg/kg		K
	MTL	Potassium	425.000	mg/kg		K
	MTL	Vanadium	8.000	mg/kg		K
	MTL	Zinc	42.100	mg/kg		
	MTL	Cyanide, Total	72.900	mg/kg	J	
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	2300.000	ug/kg		J
	TBNA	Unknown	310.000	ug/kg		J
	TBNA	Unknown	400.000	ug/kg		J

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown	4400.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	580.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	720.000	ug/kg		J
	TBNA	Unknown	570.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	720.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	200.000	ug/kg		J
	TBNA	1,2-Benzenedicarboxylic Acid	380.000	ug/kg		J
	TBNA	Phosphoric Acid, trioctyl ester	400.000	ug/kg		J
	TBNA	1,3-Dioxolane-4-Methanol, 2-Pentadecyl-, Acetate, cis	340.000	ug/kg		J
	TBNA	Heneicosane	180.000	ug/kg		J
	TBNA	Undecane, 6,6-dimethyl-	320.000	ug/kg		J
	TBNA	Pentatriacontane	580.000	ug/kg		J
	TBNA	Tridecane 5-Cyclohexyl-, 5-Cyclohexyl	530.000	ug/kg		J
	TBNA	Decane, 2,3,5-trimethyl-	880.000	ug/kg		J
	TVOA	Pentane	9.000	ug/kg	J	
	VOC	Methylene Chloride	84.000	ug/kg		
	VOC	Chloroform	6.000	ug/kg		
	VOC	Trichloroethene	12.000	ug/kg		
	VOC	Toluene	22.000	ug/kg		B
WR-SB006-06						
	MTL	Aluminum	1570.000	mg/kg		
	MTL	Arsenic	2.000	mg/kg		K
	MTL	Barium	12.800	mg/kg		K
	MTL	Calcium	47000.000	mg/kg		
	MTL	Chromium, Total	3.700	mg/kg		*
	MTL	Cobalt	2.500	mg/kg		K
	MTL	Copper	5.600	mg/kg		
	MTL	Iron	4350.000	mg/kg		
	MTL	Lead	2.600	mg/kg	J	*
	MTL	Magnesium	7130.000	mg/kg		
	MTL	Manganese	172.000	mg/kg	J	
	MTL	Nickel	6.500	mg/kg		K
	MTL	Potassium	294.000	mg/kg		K
	MTL	Vanadium	5.000	mg/kg		K
	MTL	Zinc	18.000	mg/kg		
	MTL	Cyanide, Total	17.500	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	770.000	ug/kg		
	TBNA	Unknown	210.000	ug/kg		
	VOC	Acetone	13.000	ug/kg		
	VOC	Trichloroethene	7.000	ug/kg		
	VOC	Toluene	90.000	ug/kg		B
WR-SB006-10						
	MTL	Aluminum	1800.000	mg/kg		
	MTL	Arsenic	8.700	mg/kg	J	N*
	MTL	Barium	15.800	mg/kg		K
	MTL	Calcium	81800.000	mg/kg		*
	MTL	Chromium, Total	6.300	mg/kg		
	MTL	Cobalt	2.300	mg/kg		K
	MTL	Copper	16.200	mg/kg	B	
	MTL	Iron	7550.000	mg/kg		
	MTL	Lead	4.600	mg/kg		*
	MTL	Magnesium	14500.000	mg/kg		
	MTL	Manganese	442.000	mg/kg		
	MTL	Nickel	8.200	mg/kg		K
	MTL	Potassium	428.000	mg/kg		K
	MTL	Vanadium	7.500	mg/kg		K
	MTL	Zinc	24.500	mg/kg	J	E
	MTL	Cyanide, Total	3.700	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	610.000	ug/kg	J	
	TBNA	Unknown Alkane	230.000	ug/kg	J	
	TBNA	Unknown Alkane	420.000	ug/kg	J	
	TBNA	Unknown Alkane	300.000	ug/kg	J	
	TBNA	Unknown Alkane	290.000	ug/kg	J	
	TBNA	Unknown Alkane	440.000	ug/kg	J	
	TBNA	Unknown Alkane	240.000	ug/kg	J	
	TBNA	Unknown Alkane	340.000	ug/kg	J	
	TBNA	Unknown Alkane	580.000	ug/kg	J	
	TBNA	Tridecane	470.000	ug/kg	J	
	TBNA	Tetradecane	340.000	ug/kg	J	
	TBNA	Pentadecane	410.000	ug/kg	J	
	TBNA	Heptadecane	410.000	ug/kg	J	
	TBNA	Eicosane	170.000	ug/kg	J	
	TBNA	Docosane	240.000	ug/kg	J	
	TBNA	Dodecane	430.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Undecane	410.000	ug/kg	J	
	TBNA	Nonadecane	220.000	ug/kg	J	
	VOC	Acetone	20.000	ug/kg		
	VOC	1,1-Dichloroethane	6.000	ug/kg		
	VOC	1,1,1-Trichloroethane	6.000	ug/kg		
	VOC	Trichloroethene	6.000	ug/kg		
WR-SB007-02						
	MTL	Aluminum	3700.000	mg/kg		
	MTL	Arsenic	10.800	mg/kg	J	N*
	MTL	Barium	50.900	mg/kg		
	MTL	Beryllium	0.540	mg/kg	B	K
	MTL	Cadmium	1.300	mg/kg		*
	MTL	Calcium	67500.000	mg/kg		*
	MTL	Chromium, Total	9.800	mg/kg		
	MTL	Cobalt	3.700	mg/kg		K
	MTL	Copper	17.600	mg/kg	B	
	MTL	Iron	11500.000	mg/kg		
	MTL	Lead	29.900	mg/kg		
	MTL	Magnesium	16900.000	mg/kg		
	MTL	Manganese	279.000	mg/kg		
	MTL	Nickel	11.500	mg/kg		
	MTL	Potassium	595.000	mg/kg		K
	MTL	Vanadium	12.800	mg/kg		
	MTL	Zinc	60.900	mg/kg	J	E
	MTL	Cyanide, Total	51.800	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Phenanthrene	67.000	ug/kg		J
	SVOC	Di-n-butylphthalate	200.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	110.000	ug/kg		J
	TBNA	Unknown	660.000	ug/kg	J	
	TBNA	Unknown	360.000	ug/kg	J	
	TBNA	Unknown	380.000	ug/kg		B
	TBNA	Acetic Acid, 1-methylpropyl ester-	700.000	ug/kg		B
	TVOA	Silanol, trimethyl	71.000	ug/kg		B
	VOC	Methylene Chloride	80.000	ug/kg	J	B
	VOC	Trichloroethene	390.000	ug/kg		
	VOC	Tetrachloroethene	60.000	ug/kg		
WR-SB007-06						
	MTL	Aluminum	3690.000	mg/kg		

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Arsenic	7.700	mg/kg	J	N*
	MTL	Barium	42.000	mg/kg		K
	MTL	Beryllium	0.430	mg/kg	B	K
	MTL	Calcium	54300.000	mg/kg		*
	MTL	Chromium, Total	8.500	mg/kg		
	MTL	Cobalt	3.700	mg/kg		K
	MTL	Copper	19.000	mg/kg	B	
	MTL	Iron	10400.000	mg/kg		
	MTL	Lead	21.400	mg/kg		S*
	MTL	Magnesium	14500.000	mg/kg		
	MTL	Manganese	253.000	mg/kg		
	MTL	Nickel	9.700	mg/kg		
	MTL	Potassium	538.000	mg/kg		K
	MTL	Vanadium	12.200	mg/kg		
	MTL	Zinc	53.900	mg/kg	J	E
	MTL	Cyanide, Total	16.800	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	680.000	ug/kg		
	TBNA	3-Hexen-2-one, 5-methyl-	790.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	780.000	ug/kg		
	VOC	Trichloroethene	24000.000	ug/kg		
	VOC	Tetrachloroethene	5400.000	ug/kg		
WR-SB007-10						
	MTL	Aluminum	3910.000	mg/kg		
	MTL	Arsenic	13.100	mg/kg	J	SN*
	MTL	Barium	21.600	mg/kg		K
	MTL	Beryllium	0.370	mg/kg	B	K
	MTL	Calcium	114000.000	mg/kg		*
	MTL	Chromium, Total	8.200	mg/kg		
	MTL	Cobalt	5.800	mg/kg		K
	MTL	Copper	18.600	mg/kg	B	
	MTL	Iron	13100.000	mg/kg		
	MTL	Lead	19.300	mg/kg		S*
	MTL	Magnesium	26800.000	mg/kg		
	MTL	Manganese	384.000	mg/kg		
	MTL	Nickel	17.200	mg/kg		
	MTL	Potassium	926.000	mg/kg		K
	MTL	Vanadium	10.500	mg/kg		K
	MTL	Zinc	46.700	mg/kg	J	E
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	170.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	bis(2-Ethylhexyl)phthalate	240.000	ug/kg		J
	SVOC	Di-n-octylphthalate	190.000	ug/kg		J
	TBNA	Unknown	1300.000	ug/kg		
	TBNA	Tridecane	490.000	ug/kg		
	TBNA	Tetradecane	390.000	ug/kg		
	TBNA	Pentadecane	470.000	ug/kg		
	TBNA	Hexadecane	440.000	ug/kg		
	TBNA	Heptadecane	560.000	ug/kg		
	TBNA	Eicosane	350.000	ug/kg		
	TBNA	Dodecane	930.000	ug/kg		
	TBNA	Undecane	3000.000	ug/kg		
	TBNA	Octadecane	400.000	ug/kg		
	TBNA	Decane	1200.000	ug/kg		
	TBNA	Nonadecane	410.000	ug/kg		
	TBNA	Heneicosane	290.000	ug/kg		
	TBNA	Undecane, 3,4-dimethyl-	380.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	51000.000	ug/kg		
	VOC	Trichloroethene	43000.000	ug/kg		
	VOC	Toluene	1400.000	ug/kg		JB
WR-SB008-02						
	MTL	Aluminum	4840.000	mg/kg		
	MTL	Arsenic	3.200	mg/kg		
	MTL	Barium	29.900	mg/kg		K
	MTL	Beryllium	0.750	mg/kg		K
	MTL	Cadmium	1.700	mg/kg		
	MTL	Calcium	54000.000	mg/kg		
	MTL	Chromium, Total	9.500	mg/kg		*
	MTL	Cobalt	3.400	mg/kg		K
	MTL	Copper	26.600	mg/kg		
	MTL	Iron	17300.000	mg/kg		
	MTL	Lead	63.800	mg/kg	J	*
	MTL	Magnesium	20800.000	mg/kg		
	MTL	Manganese	141.000	mg/kg	J	
	MTL	Nickel	12.100	mg/kg		
	MTL	Potassium	532.000	mg/kg		K
	MTL	Silver	1.500	mg/kg	J	KN
	MTL	Vanadium	14.700	mg/kg		
	MTL	Zinc	80.200	mg/kg		
	MTL	Cyanide, Total	38.100	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Phenol	240.000	ug/kg		J
	SVOC	4-Methylphenol	210.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	Naphthalene	99.000	ug/kg		J
	SVOC	2-Methylnaphthalene	430.000	ug/kg		
	SVOC	Phenanthrene	450.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	2900.000	ug/kg		X
	TBNA	Unknown	7000.000	ug/kg		J
	TBNA	Unknown	7000.000	ug/kg		J
	TBNA	Unknown	9100.000	ug/kg		J
	TBNA	Unknown	7200.000	ug/kg		J
	TBNA	Unknown	5100.000	ug/kg		J
	TBNA	Unknown	7600.000	ug/kg		J
	TBNA	Hexadecane	5200.000	ug/kg		J
	TBNA	Heptadecane	6600.000	ug/kg		J
	TBNA	Octadecane	6300.000	ug/kg		J
	TBNA	Nonadecane	5200.000	ug/kg		J
	TBNA	Nonadecane	9300.000	ug/kg		J
	TBNA	Pentatriacontane	6500.000	ug/kg		J
	TBNA	Hexadecane, 2,6,10,14-tetramethyl-	5500.000	ug/kg		J
	TBNA	Hexatriacontane	6400.000	ug/kg		J
	TBNA	Pentacosane	12000.000	ug/kg		J
	TBNA	Pentacosane	13000.000	ug/kg		J
	TBNA	Hexadecane, 2,6,10-trimethyl-	6700.000	ug/kg		J
	TBNA	Dodecane, 2,6,10-Trimethyl-	5300.000	ug/kg		J
	TBNA	Cyclohexane, Undecyl-	5000.000	ug/kg		J
	TBNA	Docosane, 5-Butyl-	4900.000	ug/kg		J
	TVOA	Unknown	85.000	ug/kg		
	TVOA	Unknown	31.000	ug/kg		
	TVOA	Hexane	26.000	ug/kg		
	TVOA	Benzene, 1-ethyl-3-methyl-	62.000	ug/kg		
	TVOA	Pentane, 2,2,3,4-tetramethyl-	59.000	ug/kg		
	VOC	Carbon Disulfide	14.000	ug/kg		J
	VOC	Chloroform	36.000	ug/kg		B
	VOC	2-Butanone	18.000	ug/kg	J	J
	VOC	4-Methyl-2-Pentanone	27.000	ug/kg		J
	VOC	Tetrachloroethene	14.000	ug/kg		J
	VOC	Toluene	520.000	ug/kg		B
	VOC	Ethylbenzene	9.000	ug/kg		J
	VOC	Total Xylenes	56.000	ug/kg		
WR-SB008-06						
	MTL	Aluminum	6550.000	mg/kg		
	MTL	Arsenic	3.600	mg/kg		
	MTL	Barium	29.600	mg/kg		K

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Beryllium	0.340	mg/kg		K
	MTL	Cadmium	2.000	mg/kg		
	MTL	Calcium	91700.000	mg/kg		
	MTL	Chromium, Total	12.200	mg/kg		*
	MTL	Cobalt	6.800	mg/kg		K
	MTL	Copper	21.400	mg/kg		
	MTL	Iron	14500.000	mg/kg		
	MTL	Lead	5.400	mg/kg	J	*
	MTL	Magnesium	23300.000	mg/kg		
	MTL	Manganese	311.000	mg/kg	J	
	MTL	Nickel	21.500	mg/kg		
	MTL	Potassium	1420.000	mg/kg		
	MTL	Silver	1.500	mg/kg	J	KN
	MTL	Vanadium	15.600	mg/kg		
	MTL	Zinc	52.900	mg/kg		
	MTL	Cyanide, Total	3.400	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	130.000	ug/kg		JX
	TBNA	Unknown	640.000	ug/kg		J
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	260.000	ug/kg		J
	TBNA	Unknown Alkane	150.000	ug/kg		J
	TBNA	Unknown Alkane	220.000	ug/kg		J
	TBNA	Tridecane	240.000	ug/kg		J
	TBNA	Heptadecane	210.000	ug/kg		J
	TBNA	Hexane, 2-Iodo-	270.000	ug/kg		J
	TBNA	Dodecane	190.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	280.000	ug/kg		J
	TBNA	Octadecane	150.000	ug/kg		J
	TBNA	Dodecane, 2-Methyl-	200.000	ug/kg		J
	TBNA	Undecane, 2,5-dimethyl-	170.000	ug/kg		J
	TVOA	Unknown	17.000	ug/kg	J	
	TVOA	Unknown	28.000	ug/kg	J	
	TVOA	Hexane	10.000	ug/kg	J	
	TVOA	Acetic Acid, hexyl ester-	7.000	ug/kg	J	
	TVOA	Hexane, 2,2,5,5-tetramethyl-	8.000	ug/kg	J	
	TVOA	Benzene, 1-ethyl-4-methyl-	25.000	ug/kg	J	
	VOC	Acetone	150.000	ug/kg		B
	VOC	Carbon Disulfide	3.000	ug/kg		J
	VOC	Total 1,2-Dichloroethene	2.000	ug/kg		J
	VOC	Toluene	62.000	ug/kg		B

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB008-10						
	MTL	Aluminum	2710.000	mg/kg		
	MTL	Arsenic	8.200	mg/kg		S
	MTL	Barium	10.600	mg/kg		K
	MTL	Cadmium	2.300	mg/kg		
	MTL	Calcium	184000.000	mg/kg		
	MTL	Chromium, Total	7.200	mg/kg		*
	MTL	Cobalt	3.400	mg/kg		K
	MTL	Copper	16.100	mg/kg		
	MTL	Iron	9270.000	mg/kg		
	MTL	Lead	5.400	mg/kg	J	S*
	MTL	Magnesium	42700.000	mg/kg		
	MTL	Manganese	390.000	mg/kg	J	
	MTL	Nickel	12.500	mg/kg		
	MTL	Potassium	527.000	mg/kg		K
	MTL	Vanadium	9.600	mg/kg		K
	MTL	Zinc	44.100	mg/kg		
	MTL	Cyanide, Total	3.730	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	110.000	ug/kg		JX
	TBNA	Unknown	590.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	270.000	ug/kg		J
	TBNA	Unknown Alkane	200.000	ug/kg		J
	TBNA	Unknown Alkane	240.000	ug/kg		J
	TBNA	Tridecane	320.000	ug/kg		J
	TBNA	Tetradecane	280.000	ug/kg		J
	TBNA	Heptadecane	240.000	ug/kg		J
	TBNA	Hexane, 2-Iodo-	400.000	ug/kg		J
	TBNA	Tridecane, 4,8-Dimethyl	190.000	ug/kg		J
	TBNA	Dodecane	340.000	ug/kg		J
	TBNA	Dodecane, 2,7,10-Trimethyl-	330.000	ug/kg		J
	TBNA	Octadecane	190.000	ug/kg		J
	TBNA	Heptane, 2,3,4-Trimethyl-	140.000	ug/kg		J
	TBNA	Decane	270.000	ug/kg		J
	TBNA	Nonane, 2,6-Dimethyl-	160.000	ug/kg		J
	TBNA	Dodecane, 6-Methyl-	200.000	ug/kg		J
	TBNA	Octane, 2,3,7-Trimethyl-	180.000	ug/kg		J
	TBNA	Propanoic Acid, 2-Methyl-, 1-(1,1-Dimethylethyl)-2-Methyl -1,3-Propane	160.000	ug/kg		J
	TBNA	Nonadecane	170.000	ug/kg		J
	TVOA	Hexane	25.000	ug/kg		
	VOC	Acetone	109.000	ug/kg		B

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	1,1-Dichloroethane	7.000	ug/kg		J
	VOC	Total 1,2-Dichloroethene	57.000	ug/kg		
	VOC	Chloroform	16.000	ug/kg		B
	VOC	1,1,1-Trichloroethane	50.000	ug/kg		
	VOC	Trichloroethene	14.000	ug/kg		
	VOC	Toluene	380.000	ug/kg		B
WR-SB009-02						
	MTL	Aluminum	4200.000	mg/kg		
	MTL	Arsenic	5.300	mg/kg	J	SN*
	MTL	Barium	42.300	mg/kg		K
	MTL	Beryllium	0.350	mg/kg	B	K
	MTL	Cadmium	2.500	mg/kg		*
	MTL	Calcium	33500.000	mg/kg		*
	MTL	Chromium, Total	10.200	mg/kg		
	MTL	Cobalt	4.600	mg/kg		K
	MTL	Copper	14.700	mg/kg	B	
	MTL	Iron	11100.000	mg/kg		
	MTL	Lead	8.100	mg/kg		*
	MTL	Magnesium	8370.000	mg/kg		
	MTL	Manganese	270.000	mg/kg		
	MTL	Nickel	10.800	mg/kg		
	MTL	Potassium	412.000	mg/kg		K
	MTL	Vanadium	12.300	mg/kg		
	MTL	Zinc	205.000	mg/kg	J	E
	MTL	Cyanide, Total	20.400	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	580.000	ug/kg		
	TBNA	Unknown	360.000	ug/kg		
	VOC	Acetone	37.000	ug/kg		
WR-SB009-06						
	MTL	Aluminum	2110.000	mg/kg		
	MTL	Arsenic	5.400	mg/kg	J	N*
	MTL	Barium	13.000	mg/kg		K
	MTL	Beryllium	0.330	mg/kg	B	K
	MTL	Cadmium	2.100	mg/kg		*
	MTL	Calcium	83900.000	mg/kg		*
	MTL	Chromium, Total	6.500	mg/kg		
	MTL	Cobalt	2.900	mg/kg		K
	MTL	Copper	6.800	mg/kg	B	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Iron	5750.000	mg/kg		
	MTL	Lead	4.600	mg/kg		*
	MTL	Magnesium	42000.000	mg/kg		
	MTL	Manganese	115.000	mg/kg		
	MTL	Nickel	8.200	mg/kg		K
	MTL	Potassium	328.000	mg/kg		K
	MTL	Sodium	473.000	mg/kg		K
	MTL	Vanadium	9.800	mg/kg		K
	MTL	Zinc	19.900	mg/kg	J	E
	MTL	Cyanide, Total	4.740	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	170.000	ug/kg		
	VOC	Toluene	450.000	ug/kg		B
WR-SB009-10						
	MTL	Aluminum	2690.000	mg/kg		
	MTL	Arsenic	11.200	mg/kg	J	N*
	MTL	Barium	13.500	mg/kg		K
	MTL	Beryllium	0.400	mg/kg	B	K
	MTL	Cadmium	2.000	mg/kg		*
	MTL	Calcium	111000.000	mg/kg		*
	MTL	Chromium, Total	6.300	mg/kg		
	MTL	Cobalt	4.200	mg/kg		K
	MTL	Copper	21.800	mg/kg		
	MTL	Iron	10200.000	mg/kg		
	MTL	Lead	6.000	mg/kg		*
	MTL	Magnesium	22700.000	mg/kg		
	MTL	Manganese	289.000	mg/kg		
	MTL	Nickel	13.200	mg/kg		
	MTL	Potassium	730.000	mg/kg		K
	MTL	Vanadium	9.100	mg/kg		K
	MTL	Zinc	40.200	mg/kg	J	E
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	400.000	ug/kg	J	
	TBNA	Unknown	260.000	ug/kg	J	
	TBNA	Unknown	550.000	ug/kg	J	
	TBNA	Unknown	390.000	ug/kg	J	
	TBNA	Tridecane	410.000	ug/kg	J	
	TBNA	Tetradecane	320.000	ug/kg	J	
	TBNA	Pentadecane	400.000	ug/kg	J	
	TBNA	Hexadecane	240.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Heptadecane	380.000	ug/kg	J	
	TBNA	Eicosane	160.000	ug/kg	J	
	TBNA	Dodecane	310.000	ug/kg	J	
	TBNA	Undecane	240.000	ug/kg	J	
	TBNA	Octadecane	250.000	ug/kg	J	
	TBNA	Nonadecane	210.000	ug/kg	J	
	TBNA	Heneicosane	330.000	ug/kg	J	
	TBNA	Hexadecane, 2,6,10,14-tetramethyl-	240.000	ug/kg	J	
	VOC	Methylene Chloride	24.000	ug/kg		
	VOC	Acetone	320.000	ug/kg		B
	VOC	Chloroform	9.000	ug/kg		
	VOC	Toluene	40.000	ug/kg		B
WR-SB010-02						
	MTL	Aluminum	12700.000	mg/kg		
	MTL	Barium	146.000	mg/kg		
	MTL	Beryllium	0.810	mg/kg		K
	MTL	Cadmium	1.800	mg/kg		
	MTL	Calcium	3660.000	mg/kg		*
	MTL	Chromium, Total	25.500	mg/kg		
	MTL	Cobalt	12.600	mg/kg		
	MTL	Copper	15.000	mg/kg	B	
	MTL	Iron	27700.000	mg/kg		
	MTL	Lead	11.400	mg/kg		
	MTL	Magnesium	2890.000	mg/kg	J	*
	MTL	Nickel	23.800	mg/kg		
	MTL	Potassium	706.000	mg/kg		K
	MTL	Silver	2.700	mg/kg	J	N
	MTL	Sodium	714.000	mg/kg		K
	MTL	Vanadium	31.300	mg/kg		
	MTL	Zinc	271.000	mg/kg		*
	MTL	Cyanide, Total	55.500	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	500.000	ug/kg	J	
	TBNA	3-Hexen-2-one, 5-methyl-	240.000	ug/kg	J	
	TBNA	Unknown Alkane	300.000	ug/kg	J	
	TBNA	Unknown Alkane	170.000	ug/kg	J	
	TBNA	Unknown Alkane	210.000	ug/kg	J	
	TBNA	Unknown Alkane	330.000	ug/kg	J	
	VOC	Acetone	210.000	ug/kg		B
	VOC	Chloroform	3.000	ug/kg		J

WARZYN

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Toluene	78.000	ug/kg		B
WR-SB010-06						
	MTL	Aluminum	3790.000	mg/kg		
	MTL	Barium	20.600	mg/kg		K
	MTL	Cadmium	1.300	mg/kg		
	MTL	Calcium	20800.000	mg/kg		*
	MTL	Chromium, Total	10.200	mg/kg		
	MTL	Cobalt	6.000	mg/kg		K
	MTL	Copper	11.600	mg/kg	B	
	MTL	Iron	15100.000	mg/kg		
	MTL	Lead	2.400	mg/kg		
	MTL	Magnesium	10200.000	mg/kg	J	*
	MTL	Nickel	13.600	mg/kg		
	MTL	Potassium	371.000	mg/kg		K
	MTL	Vanadium	14.400	mg/kg		
	MTL	Zinc	124.000	mg/kg		*
	MTL	Cyanide, Total	7.900	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	470.000	ug/kg	J	
	TBNA	Unknown Alkane	220.000	ug/kg	J	
	TBNA	Unknown Alkane	190.000	ug/kg	J	
	VOC	1,1-Dichloroethane	23.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	3.000	ug/kg		J
	VOC	Chloroform	4.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	24.000	ug/kg		
	VOC	1,2-Dichloropropane	70.000	ug/kg		
	VOC	Trichloroethene	5.000	ug/kg		
	VOC	Toluene	81.000	ug/kg		B
WR-SB010-10						
	MTL	Aluminum	1600.000	mg/kg		
	MTL	Barium	9.400	mg/kg		K
	MTL	Cadmium	1.700	mg/kg		
	MTL	Calcium	141000.000	mg/kg		*
	MTL	Chromium, Total	5.300	mg/kg		
	MTL	Cobalt	2.000	mg/kg		K
	MTL	Copper	10.300	mg/kg	B	
	MTL	Iron	6400.000	mg/kg		
	MTL	Lead	3.300	mg/kg		
	MTL	Magnesium	33600.000	mg/kg	J	*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Nickel	8.100	mg/kg		K
	MTL	Potassium	395.000	mg/kg		K
	MTL	Vanadium	6.000	mg/kg		K
	MTL	Zinc	27.700	mg/kg		*
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	290.000	ug/kg	J	
	TBNA	Tridecane	170.000	ug/kg	J	
	TBNA	Tetradecane	170.000	ug/kg	J	
	TBNA	Hexadecane	190.000	ug/kg	J	
	TBNA	Heptadecane	160.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl ester-	160.000	ug/kg	J	
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	210.000	ug/kg	J	
	TBNA	Pentadecane, 2,6,10,14-Tetramethyl-	280.000	ug/kg	J	
	TBNA	Sulfur, Mol. (S8)	410.000	ug/kg	J	
	VOC	Acetone	7000.000	ug/kg		
	VOC	1,1-Dichloroethane	400.000	ug/kg		J
	VOC	1,2-Dichloropropane	320.000	ug/kg		J
	VOC	Toluene	21000.000	ug/kg		B
	VOC	Ethylbenzene	1200.000	ug/kg		
	VOC	Total Xylenes	1800.000	ug/kg		
WR-SB010-10DUP						
	MTL	Aluminum	2240.000	mg/kg		
	MTL	Barium	13.900	mg/kg		K
	MTL	Cadmium	1.900	mg/kg		
	MTL	Calcium	134000.000	mg/kg		*
	MTL	Chromium, Total	8.000	mg/kg		
	MTL	Cobalt	3.700	mg/kg		K
	MTL	Copper	13.200	mg/kg	B	
	MTL	Iron	6710.000	mg/kg		
	MTL	Lead	5.100	mg/kg		
	MTL	Magnesium	24700.000	mg/kg	J	*
	MTL	Nickel	10.800	mg/kg		
	MTL	Potassium	587.000	mg/kg		K
	MTL	Vanadium	9.000	mg/kg		K
	MTL	Zinc	48.400	mg/kg		*
	MTL	Cyanide, Total	3.970	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	330.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Unknown	290.000	ug/kg	J	
	TBNA	3-Hexen-2-one, 5-methyl-	170.000	ug/kg	J	
	TBNA	Unknown Alkane	200.000	ug/kg	J	
	TBNA	Unknown Alkane	290.000	ug/kg	J	
	TBNA	Unknown Alkane	140.000	ug/kg	J	
	VOC	Acetone	1800.000	ug/kg		
	VOC	1,1-Dichloroethane	490.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	430.000	ug/kg		J
	VOC	1,2-Dichloropropane	1600.000	ug/kg		
	VOC	Toluene	24000.000	ug/kg		B
	VOC	Ethylbenzene	910.000	ug/kg		
WR-SB011-02						
	MTL	Aluminum	13500.000	mg/kg		
	MTL	Barium	409.000	mg/kg		
	MTL	Beryllium	0.910	mg/kg		K
	MTL	Cadmium	1.600	mg/kg		
	MTL	Calcium	3240.000	mg/kg		*
	MTL	Chromium, Total	23.800	mg/kg		
	MTL	Cobalt	17.000	mg/kg		
	MTL	Copper	18.400	mg/kg	B	
	MTL	Iron	51800.000	mg/kg		
	MTL	Lead	16.900	mg/kg		
	MTL	Magnesium	3310.000	mg/kg	J	*
	MTL	Nickel	29.600	mg/kg		
	MTL	Potassium	644.000	mg/kg		K
	MTL	Silver	4.600	mg/kg	J	N
	MTL	Sodium	3120.000	mg/kg		
	MTL	Vanadium	35.300	mg/kg		
	MTL	Zinc	90.000	mg/kg		*
	MTL	Cyanide, Total	25.200	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Acetic Acid, 1-methylpropyl-	510.000	ug/kg	J	
	TVOA	Unknown	17.000	ug/kg	J	
	VOC	Chloroform	4.000	ug/kg		J
	VOC	Toluene	43.000	ug/kg		B
WR-SB011-06						
	MTL	Aluminum	1900.000	mg/kg		
	MTL	Barium	8.500	mg/kg		K
	MTL	Cadmium	1.500	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Calcium	155000.000	mg/kg		*
	MTL	Chromium, Total	6.400	mg/kg		
	MTL	Cobalt	4.300	mg/kg		K
	MTL	Copper	15.100	mg/kg	B	
	MTL	Iron	6980.000	mg/kg		
	MTL	Lead	5.000	mg/kg		
	MTL	Magnesium	33700.000	mg/kg	J	*
	MTL	Nickel	11.500	mg/kg		
	MTL	Potassium	371.000	mg/kg		K
	MTL	Sodium	1680.000	mg/kg		
	MTL	Vanadium	8.200	mg/kg		K
	MTL	Zinc	34.600	mg/kg		*
	MTL	Cyanide, Total	5.530	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	540.000	ug/kg	J	
	TBNA	Unknown	270.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl-	520.000	ug/kg	J	
	TBNA	Unknown Alkane	370.000	ug/kg	J	
	TBNA	Unknown Alkane	340.000	ug/kg	J	
	TBNA	Unknown Alkane	320.000	ug/kg	J	
	TBNA	Unknown Alkane	260.000	ug/kg	J	
	TBNA	Unknown Alkane	650.000	ug/kg	J	
	TBNA	Unknown Alkane	520.000	ug/kg	J	
	TBNA	Unknown Alkane	880.000	ug/kg	J	
	TBNA	Unknown Alkane	310.000	ug/kg	J	
	TBNA	Unknown Alkane	430.000	ug/kg	J	
	TBNA	Unknown Alkane	280.000	ug/kg	J	
	TBNA	Tridecane	210.000	ug/kg	J	
	TBNA	Pentadecane	520.000	ug/kg	J	
	TBNA	Hexadecane	520.000	ug/kg	J	
	TBNA	Eicosane	360.000	ug/kg	J	
	TBNA	Octadecane	400.000	ug/kg	J	
	TBNA	Hexacosane	480.000	ug/kg	J	
	TBNA	Tetracosane	340.000	ug/kg	J	
	TVOA	Unknown	67.000	ug/kg	J	
	VOC	1,1-Dichloroethane	130.000	ug/kg		
	VOC	Chloroform	14.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	1100.000	ug/kg		
	VOC	Trichloroethene	58.000	ug/kg		
	VOC	Tetrachloroethene	55.000	ug/kg		
	VOC	Toluene	86.000	ug/kg		B

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB011-10						
	MTL	Aluminum	1570.000	mg/kg		
	MTL	Barium	10.000	mg/kg		K
	MTL	Cadmium	1.500	mg/kg		
	MTL	Calcium	184000.000	mg/kg		*
	MTL	Chromium, Total	4.500	mg/kg		
	MTL	Cobalt	2.400	mg/kg		K
	MTL	Copper	12.600	mg/kg	B	
	MTL	Iron	8970.000	mg/kg		
	MTL	Lead	4.900	mg/kg		S
	MTL	Magnesium	26600.000	mg/kg	J	*
	MTL	Nickel	8.900	mg/kg		
	MTL	Potassium	433.000	mg/kg		K
	MTL	Vanadium	6.900	mg/kg		K
	MTL	Zinc	29.300	mg/kg		*
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	170.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl-	330.000	ug/kg	J	
	TBNA	Unknown Alkane	460.000	ug/kg	J	
	TBNA	Unknown Alkane	180.000	ug/kg	J	
	TBNA	Unknown Alkane	220.000	ug/kg	J	
	TBNA	Unknown Alkane	210.000	ug/kg	J	
	TBNA	Unknown Alkane	250.000	ug/kg	J	
	TBNA	Unknown Alkane	210.000	ug/kg	J	
	TBNA	Unknown Alkane	150.000	ug/kg	J	
	TBNA	Unknown Alkane	350.000	ug/kg	J	
	TBNA	Unknown Alkane	190.000	ug/kg	J	
	TBNA	Unknown Alkane	170.000	ug/kg	J	
	TBNA	Tridecane	330.000	ug/kg	J	
	TBNA	Tetradecane	280.000	ug/kg	J	
	TBNA	Pentadecane	310.000	ug/kg	J	
	TBNA	Hexadecane	340.000	ug/kg	J	
	TBNA	Eicosane	140.000	ug/kg	J	
	TBNA	Dodecane	250.000	ug/kg	J	
	TBNA	Undecane	200.000	ug/kg	J	
	TBNA	Nonadecane	200.000	ug/kg	J	
	VOC	1,1-Dichloroethane	37.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	210.000	ug/kg		
	VOC	Chloroform	24.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	860.000	ug/kg		
	VOC	Trichloroethene	86.000	ug/kg		
	VOC	Toluene	310.000	ug/kg		B

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB012-02						
	MTL	Aluminum	8760.000	mg/kg		
	MTL	Barium	122.000	mg/kg		
	MTL	Beryllium	0.520	mg/kg		K
	MTL	Cadmium	5.400	mg/kg		
	MTL	Calcium	4050.000	mg/kg		*
	MTL	Chromium, Total	16.600	mg/kg		
	MTL	Cobalt	6.400	mg/kg		K
	MTL	Copper	27.800	mg/kg	B	
	MTL	Iron	19400.000	mg/kg		
	MTL	Lead	22.500	mg/kg	J	S
	MTL	Magnesium	2180.000	mg/kg	J	*
	MTL	Nickel	15.700	mg/kg		
	MTL	Potassium	826.000	mg/kg		K
	MTL	Vanadium	21.200	mg/kg		
	MTL	Zinc	80.000	mg/kg		*
	MTL	Cyanide, Total	111.000	mg/kg		
	P/PCB	AROCLOR-1260	1400.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Unknown	79.000	ug/kg	J	
	VOC	Chloroform	10.000	ug/kg		J
	VOC	Toluene	410.000	ug/kg		B
WR-SB012-06						
	MTL	Aluminum	7910.000	mg/kg		
	MTL	Barium	98.200	mg/kg		
	MTL	Beryllium	0.470	mg/kg		K
	MTL	Cadmium	3.100	mg/kg		
	MTL	Calcium	15300.000	mg/kg		*
	MTL	Chromium, Total	17.600	mg/kg		
	MTL	Cobalt	8.200	mg/kg		K
	MTL	Copper	24.900	mg/kg	B	
	MTL	Iron	17700.000	mg/kg		
	MTL	Lead	14.300	mg/kg		S
	MTL	Magnesium	5340.000	mg/kg	J	*
	MTL	Nickel	19.200	mg/kg		
	MTL	Potassium	709.000	mg/kg		K
	MTL	Vanadium	21.400	mg/kg		
	MTL	Zinc	67.100	mg/kg		*
	MTL	Cyanide, Total	38.900	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	Naphthalene	1100.000	ug/kg		J
	SVOC	Phenanthrene	1500.000	ug/kg		J
	SVOC	Di-n-butylphthalate	27000.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	140000.000	ug/kg		
	TBNA	Unknown	17000.000	ug/kg	J	
	TBNA	Unknown	19000.000	ug/kg	J	
	TBNA	Unknown	21000.000	ug/kg	J	
	TBNA	Unknown	19000.000	ug/kg	J	
	TBNA	Unknown	20000.000	ug/kg	J	
	TBNA	Unknown	29000.000	ug/kg	J	
	TBNA	Unknown	24000.000	ug/kg	J	
	TBNA	Unknown	18000.000	ug/kg	J	
	TBNA	Unknown Alkane	41000.000	ug/kg	J	
	TBNA	Unknown Alkane	19000.000	ug/kg	J	
	TBNA	Tetradecane	11000.000	ug/kg	J	
	TBNA	Hexadecane	40000.000	ug/kg	J	
	TBNA	Heptadecane	55000.000	ug/kg	J	
	TBNA	Tridecane, 4,8-Dimethyl	30000.000	ug/kg	J	
	TBNA	Undecane	26000.000	ug/kg	J	
	TBNA	Decane	35000.000	ug/kg	J	
	TBNA	Nonadecane	32000.000	ug/kg	J	
	TBNA	Pentatriacontane	39000.000	ug/kg	J	
	TBNA	Octane, 2,3,6-trimethyl-	16000.000	ug/kg	J	
	TBNA	Hexadecane, 2,6,10-trimethyl-	39000.000	ug/kg	J	
	TVOA	Unknown	2900.000	ug/kg	J	
	TVOA	Unknown	4400.000	ug/kg	J	
	TVOA	Unknown	2000.000	ug/kg	J	
	TVOA	Unknown	1700.000	ug/kg	J	
	TVOA	Unknown	4200.000	ug/kg	J	
	TVOA	Unknown	2900.000	ug/kg	J	
	TVOA	Cyclohexane, methyl-	1600.000	ug/kg	J	
	TVOA	Cyclohexane, 1-ethyl-4-methyl-,trans-	8600.000	ug/kg	J	
	TVOA	Cyclohexane, (1-methylethyl)-	27000.000	ug/kg	J	
	TVOA	2-Octene, 2,6-dimethyl-	8100.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	2300.000	ug/kg		
	VOC	Toluene	8500.000	ug/kg		B
	VOC	Ethylbenzene	900.000	ug/kg		
	VOC	Total Xylenes	4000.000	ug/kg		
WR-SB012-06DUP						
	MTL	Aluminum	6690.000	mg/kg		
	MTL	Barium	73.300	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Beryllium	0.410	mg/kg		K
	MTL	Cadmium	3.600	mg/kg		
	MTL	Calcium	26400.000	mg/kg		*
	MTL	Chromium, Total	14.000	mg/kg		
	MTL	Cobalt	6.600	mg/kg		K
	MTL	Copper	22.800	mg/kg	B	
	MTL	Iron	12600.000	mg/kg		
	MTL	Lead	10.700	mg/kg		
	MTL	Magnesium	11200.000	mg/kg	J	*
	MTL	Nickel	15.700	mg/kg		
	MTL	Potassium	650.000	mg/kg		K
	MTL	Vanadium	18.500	mg/kg		
	MTL	Zinc	55.800	mg/kg		*
	MTL	Cyanide, Total	36.600	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Naphthalene	2100.000	ug/kg		J
	SVOC	2-Methylnaphthalene	1300.000	ug/kg		J
	SVOC	Di-n-butylphthalate	29000.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	140000.000	ug/kg		
	TBNA	Unknown	30000.000	ug/kg	J	
	TBNA	Unknown	32000.000	ug/kg	J	
	TBNA	Unknown	30000.000	ug/kg	J	
	TBNA	Unknown	25000.000	ug/kg	J	
	TBNA	Unknown	19000.000	ug/kg	J	
	TBNA	Unknown	23000.000	ug/kg	J	
	TBNA	Unknown	25000.000	ug/kg	J	
	TBNA	Tetradecane	13000.000	ug/kg	J	
	TBNA	Hexadecane	45000.000	ug/kg	J	
	TBNA	Heptadecane	65000.000	ug/kg	J	
	TBNA	Undecane	36000.000	ug/kg	J	
	TBNA	Octadecane	46000.000	ug/kg	J	
	TBNA	Decane	55000.000	ug/kg	J	
	TBNA	Nonadecane	39000.000	ug/kg	J	
	TBNA	Hexatriacontane	29000.000	ug/kg	J	
	TBNA	Octane, 2,3,6-trimethyl-	20000.000	ug/kg	J	
	TBNA	Hexadecane, 2,6,10-trimethyl-	45000.000	ug/kg	J	
	TBNA	Undecane, 2,5-dimethyl-	33000.000	ug/kg	J	
	TBNA	Nonane, 4-methyl-	21000.000	ug/kg	J	
	TBNA	Tridecane, 5-propyl-	13000.000	ug/kg	J	
	TVOA	Unknown	8600.000	ug/kg	J	
	TVOA	Unknown	4200.000	ug/kg	J	
	TVOA	Unknown	3100.000	ug/kg	J	
	TVOA	Unknown	4200.000	ug/kg	J	
	TVOA	Unknown	1700.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TVOA	Unknown	11000.000	ug/kg	J	
	TVOA	Unknown	2000.000	ug/kg	J	
	TVOA	Cyclohexane, (1-methylethyl)-	27000.000	ug/kg	J	
	TVOA	Cyclopropane, 1,1,2,2-tetramethyl-	1800.000	ug/kg	J	
	TVOA	Hexane, 3-methyl-	3700.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	2800.000	ug/kg		
	VOC	Toluene	8500.000	ug/kg		B
	VOC	Ethylbenzene	940.000	ug/kg		
	VOC	Total Xylenes	4000.000	ug/kg		
WR-SB012-10						
	MTL	Aluminum	2100.000	mg/kg		
	MTL	Barium	13.100	mg/kg		K
	MTL	Beryllium	0.230	mg/kg		K
	MTL	Cadmium	2.200	mg/kg		
	MTL	Calcium	195000.000	mg/kg		*
	MTL	Chromium, Total	7.000	mg/kg		
	MTL	Cobalt	4.000	mg/kg		K
	MTL	Copper	17.100	mg/kg	B	
	MTL	Iron	7690.000	mg/kg		
	MTL	Lead	9.500	mg/kg		S
	MTL	Magnesium	35700.000	mg/kg	J	*
	MTL	Nickel	14.300	mg/kg		
	MTL	Potassium	588.000	mg/kg		K
	MTL	Vanadium	9.900	mg/kg		K
	MTL	Zinc	43.500	mg/kg		*
	MTL	Cyanide, Total	3.550	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	780.000	ug/kg		J
	TBNA	Unknown	88000.000	ug/kg	J	
	TBNA	Unknown	12000.000	ug/kg	J	
	TVOA	Unknown	5900.000	ug/kg	J	
	TVOA	Unknown	8500.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	71000.000	ug/kg		
	VOC	Ethylbenzene	710.000	ug/kg		J
	VOC	Total Xylenes	2300.000	ug/kg		J
WR-SB013-02						
	MTL	Aluminum	4660.000	mg/kg		
	MTL	Arsenic	7.000	mg/kg		S
	MTL	Barium	24.600	mg/kg		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Beryllium	0.290	mg/kg		K
	MTL	Calcium	44300.000	mg/kg		
	MTL	Chromium, Total	9.100	mg/kg		*
	MTL	Cobalt	4.900	mg/kg		K
	MTL	Copper	16.200	mg/kg		
	MTL	Iron	11700.000	mg/kg		
	MTL	Lead	9.300	mg/kg	J	S*
	MTL	Magnesium	9580.000	mg/kg		
	MTL	Manganese	213.000	mg/kg	J	
	MTL	Nickel	14.900	mg/kg		
	MTL	Potassium	642.000	mg/kg		K
	MTL	Vanadium	12.900	mg/kg		
	MTL	Zinc	43.200	mg/kg		
	MTL	Cyanide, Total	7.770	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	97.000	ug/kg		JX
	TBNA	Unknown	550.000	ug/kg		J
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	Unknown	150.000	ug/kg		J
	TBNA	Ethanone, 1-(3-Methyloxiranyl)	180.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-	360.000	ug/kg		J
	VOC	Methylene Chloride	64.000	ug/kg		
	VOC	Chloroform	15.000	ug/kg		J
WR-SB013-06						
	TVOA	Hexane	12.000	ug/kg		
	TVOA	Benzene, 1-ethyl-3-methyl-	12.000	ug/kg		
	TVOA	4-Penten-2-ol	8.000	ug/kg		
	TVOA	1-Pentene, 4-methyl	6.000	ug/kg		
	VOC	Acetone	170.000	ug/kg		B
	VOC	Chloroform	2.000	ug/kg		J
	VOC	2-Butanone	5.000	ug/kg	J	J
	VOC	Benzene	2.000	ug/kg		J
	VOC	Toluene	45.000	ug/kg		
	VOC	Chlorobenzene	24.000	ug/kg		
	VOC	Ethylbenzene	19.000	ug/kg		
	VOC	Total Xylenes	24.000	ug/kg		
WR-SB014-02						
	MTL	Aluminum	6060.000	mg/kg		
	MTL	Arsenic	3.400	mg/kg		
	MTL	Barium	57.200	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Beryllium	0.400	mg/kg		K
	MTL	Calcium	1300.000	mg/kg		
	MTL	Chromium, Total	11.200	mg/kg		*
	MTL	Cobalt	7.400	mg/kg		K
	MTL	Copper	10.800	mg/kg		
	MTL	Iron	11400.000	mg/kg		
	MTL	Lead	11.500	mg/kg	J	S*
	MTL	Magnesium	1580.000	mg/kg		
	MTL	Manganese	845.000	mg/kg	J	
	MTL	Nickel	12.400	mg/kg		
	MTL	Potassium	423.000	mg/kg		K
	MTL	Vanadium	14.500	mg/kg		
	MTL	Zinc	35.000	mg/kg		
	MTL	Cyanide, Total	45.300	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Acetic Acid, 1-methylpropyl-	280.000	ug/kg	J	
	TVOA	Hexane	14.000	ug/kg	J	
	VOC	Acetone	160.000	ug/kg		B
WR-SB014-06						
	MTL	Aluminum	14200.000	mg/kg		
	MTL	Arsenic	8.900	mg/kg		S
	MTL	Barium	67.500	mg/kg		
	MTL	Beryllium	0.680	mg/kg		K
	MTL	Cadmium	1.300	mg/kg		
	MTL	Calcium	2190.000	mg/kg		
	MTL	Chromium, Total	22.600	mg/kg		*
	MTL	Cobalt	15.700	mg/kg		
	MTL	Copper	27.300	mg/kg		
	MTL	Iron	27300.000	mg/kg		
	MTL	Lead	13.500	mg/kg	J	S*
	MTL	Magnesium	3720.000	mg/kg		
	MTL	Manganese	643.000	mg/kg	J	
	MTL	Nickel	30.700	mg/kg		
	MTL	Potassium	1200.000	mg/kg		K
	MTL	Silver	1.900	mg/kg	J	KN
	MTL	Vanadium	31.600	mg/kg		
	MTL	Zinc	75.500	mg/kg		
	MTL	Cyanide, Total	5.540	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Acetic Acid, 1-methylpropyl ester-	510.000	ug/kg	J	
	TVOA	Unknown	32.000	ug/kg	J	
	TVOA	Hexane	36.000	ug/kg	J	
	VOC	Acetone	540.000	ug/kg		B
	VOC	Chloroform	7.000	ug/kg		J
WR-SB014-06DUP						
	MTL	Aluminum	12500.000	mg/kg		
	MTL	Barium	59.200	mg/kg		
	MTL	Beryllium	0.540	mg/kg		K
	MTL	Calcium	1920.000	mg/kg		*
	MTL	Chromium, Total	19.500	mg/kg		
	MTL	Cobalt	11.400	mg/kg		K
	MTL	Copper	21.500	mg/kg	B	
	MTL	Iron	21700.000	mg/kg		
	MTL	Lead	11.300	mg/kg		S
	MTL	Magnesium	3200.000	mg/kg	J	*
	MTL	Nickel	25.500	mg/kg		
	MTL	Potassium	1150.000	mg/kg		K
	MTL	Vanadium	26.700	mg/kg		
	MTL	Zinc	68.400	mg/kg		*
	MTL	Cyanide, Total	4.540	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	320.000	ug/kg		J
	SVOC	Di-n-octylphthalate	290.000	ug/kg		J
	TVOA	Methane, trichlorofluoro-	7.000	ug/kg	J	
	VOC	Methylene Chloride	7.000	ug/kg		
WR-SB014-10						
	MTL	Aluminum	6020.000	mg/kg		
	MTL	Barium	27.100	mg/kg		K
	MTL	Beryllium	0.360	mg/kg		K
	MTL	Cadmium	1.500	mg/kg		
	MTL	Calcium	51100.000	mg/kg		*
	MTL	Chromium, Total	16.900	mg/kg		
	MTL	Cobalt	5.800	mg/kg		K
	MTL	Copper	21.200	mg/kg	B	
	MTL	Iron	15800.000	mg/kg		
	MTL	Lead	10.700	mg/kg		
	MTL	Magnesium	16600.000	mg/kg	J	*
	MTL	Nickel	20.300	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Potassium	800.000	mg/kg		K
	MTL	Vanadium	17.100	mg/kg		
	MTL	Zinc	47.000	mg/kg		*
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Unknown	22.000	ug/kg	J	
	VOC	Methylene Chloride	8.000	ug/kg		
	VOC	Chloroform	2.000	ug/kg		J
WR-SB015-02						
	MTL	Aluminum	7250.000	mg/kg		
	MTL	Barium	105.000	mg/kg		
	MTL	Beryllium	0.530	mg/kg		K
	MTL	Calcium	7870.000	mg/kg		*
	MTL	Chromium, Total	12.400	mg/kg		
	MTL	Cobalt	7.100	mg/kg		K
	MTL	Copper	17.900	mg/kg	B	
	MTL	Iron	22200.000	mg/kg		
	MTL	Lead	16.700	mg/kg		
	MTL	Magnesium	3690.000	mg/kg	J	*
	MTL	Nickel	14.200	mg/kg		
	MTL	Potassium	867.000	mg/kg		K
	MTL	Vanadium	20.100	mg/kg		
	MTL	Zinc	65.300	mg/kg		*
	MTL	Cyanide, Total	94.500	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Naphthalene	78.000	ug/kg		J
	SVOC	2-Methylnaphthalene	83.000	ug/kg		J
	TBNA	Acetic Acid, 1-methylpropyl-	340.000	ug/kg	J	
	TVOA	Hexane	21.000	ug/kg	J	
	VOC	Chloroform	8.000	ug/kg		J
	VOC	Toluene	430.000	ug/kg		B
WR-SB015-06						
	MTL	Aluminum	1670.000	mg/kg		
	MTL	Barium	15.700	mg/kg		K
	MTL	Calcium	11600.000	mg/kg		*
	MTL	Chromium, Total	4.800	mg/kg		
	MTL	Cobalt	1.900	mg/kg		K
	MTL	Copper	3.900	mg/kg	B	K
	MTL	Iron	6280.000	mg/kg		
	MTL	Lead	3.600	mg/kg		+

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Magnesium	5350.000	mg/kg	J	*
	MTL	Nickel	4.600	mg/kg		K
	MTL	Potassium	197.000	mg/kg		K
	MTL	Vanadium	6.400	mg/kg		K
	MTL	Zinc	17.600	mg/kg		*
	MTL	Cyanide, Total	3.450	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Acetic Acid, 1-methylpropyl-	440.000	ug/kg	J	
	VOC	Methylene Chloride	10.000	ug/kg		
	VOC	Toluene	50.000	ug/kg		B
WR-SB016-02						
	MTL	Aluminum	11300.000	mg/kg		
	MTL	Barium	210.000	mg/kg		
	MTL	Beryllium	0.540	mg/kg		K
	MTL	Calcium	3000.000	mg/kg		*
	MTL	Chromium, Total	19.400	mg/kg		
	MTL	Cobalt	10.100	mg/kg		K
	MTL	Copper	15.000	mg/kg	B	
	MTL	Iron	30700.000	mg/kg		
	MTL	Lead	10.600	mg/kg		S
	MTL	Magnesium	2800.000	mg/kg	J	*
	MTL	Nickel	18.400	mg/kg		
	MTL	Potassium	587.000	mg/kg		K
	MTL	Silver	3.300	mg/kg	J	N
	MTL	Vanadium	29.800	mg/kg		
	MTL	Zinc	56.300	mg/kg		*
	MTL	Cyanide, Total	8.000	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	400.000	ug/kg	J	
	TBNA	3-Hexen-2,5-dione	220.000	ug/kg	J	
	VOC	Toluene	48.000	ug/kg		B
WR-SB016-06						
	MTL	Aluminum	3770.000	mg/kg		
	MTL	Barium	17.300	mg/kg		K
	MTL	Beryllium	0.230	mg/kg		K
	MTL	Cadmium	1.800	mg/kg		
	MTL	Calcium	85000.000	mg/kg		*
	MTL	Chromium, Total	9.300	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Cobalt	6.300	mg/kg		K
	MTL	Copper	12.900	mg/kg	B	
	MTL	Iron	17300.000	mg/kg		
	MTL	Lead	4.900	mg/kg		S
	MTL	Magnesium	23400.000	mg/kg	J	*
	MTL	Nickel	16.900	mg/kg		
	MTL	Potassium	544.000	mg/kg		K
	MTL	Vanadium	14.500	mg/kg		
	MTL	Zinc	41.500	mg/kg		*
	MTL	Cyanide, Total	2.980	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	360.000	ug/kg	J	
	TBNA	3-Hexen-2-one, 5-methyl-	140.000	ug/kg	J	
	TBNA	Unknown Alkane	400.000	ug/kg	J	
	TBNA	Unknown Alkane	230.000	ug/kg	J	
	TBNA	Unknown Alkane	170.000	ug/kg	J	
	TBNA	Unknown Alkane	180.000	ug/kg	J	
	TBNA	Unknown Alkane	360.000	ug/kg	J	
	TBNA	Unknown Alkane	180.000	ug/kg	J	
	TBNA	Nonadecane	170.000	ug/kg	J	
	TBNA	Benzonitrile, M-Phenethyl-	510.000	ug/kg	J	
	TVOA	Unknown	12.000	ug/kg	J	
	TVOA	Unknown	27.000	ug/kg	J	
	VOC	Acetone	210.000	ug/kg	J	B
	VOC	Chloroform	6.000	ug/kg		J
	VOC	Toluene	130.000	ug/kg		B
WR-SB016-10						
	MTL	Aluminum	2450.000	mg/kg		
	MTL	Barium	13.400	mg/kg		K
	MTL	Cadmium	1.200	mg/kg		
	MTL	Calcium	88200.000	mg/kg		*
	MTL	Chromium, Total	6.000	mg/kg		
	MTL	Cobalt	5.000	mg/kg		K
	MTL	Copper	16.900	mg/kg	B	
	MTL	Iron	8020.000	mg/kg		
	MTL	Lead	5.100	mg/kg		S
	MTL	Magnesium	15400.000	mg/kg	J	*
	MTL	Nickel	14.100	mg/kg		
	MTL	Potassium	556.000	mg/kg		K
	MTL	Vanadium	10.100	mg/kg		K
	MTL	Zinc	42.800	mg/kg		*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	520.000	ug/kg	J	
	TBNA	Unknown	290.000	ug/kg	J	
	TBNA	Unknown Alkane	160.000	ug/kg	J	
	TBNA	Unknown Alkane	200.000	ug/kg	J	
	TBNA	Unknown Alkane	220.000	ug/kg	J	
	TBNA	Unknown Alkane	190.000	ug/kg	J	
	TBNA	Unknown Alkane	370.000	ug/kg	J	
	TBNA	Unknown Alkane	230.000	ug/kg	J	
	TBNA	Unknown Alkane	400.000	ug/kg	J	
	TBNA	Unknown Alkane	160.000	ug/kg	J	
	TBNA	Unknown Alkane	180.000	ug/kg	J	
	TBNA	Unknown Alkane	580.000	ug/kg	J	
	TBNA	Unknown Alkane	230.000	ug/kg	J	
	TBNA	Tridecane	260.000	ug/kg	J	
	TBNA	Tetradecane	270.000	ug/kg	J	
	TBNA	Hexadecane	350.000	ug/kg	J	
	TBNA	Eicosane	160.000	ug/kg	J	
	TBNA	Nonadecane	550.000	ug/kg	J	
	TVOA	Unknown	120.000	ug/kg	J	
	TVOA	Pentane	110.000	ug/kg	J	
	VOC	Acetone	240.000	ug/kg	J	B
	VOC	Chloroform	14.000	ug/kg		JB
	VOC	Toluene	990.000	ug/kg		B
WR-SB017-02						
	MTL	Arsenic	19.500	mg/kg	J	*N
	MTL	Barium	67.000	mg/kg		
	MTL	Calcium	1960.000	mg/kg		
	MTL	Chromium, Total	16.900	mg/kg	J	*
	MTL	Cobalt	11.500	mg/kg	J	
	MTL	Copper	50.400	mg/kg	J	
	MTL	Iron	24100.000	mg/kg	J	*
	MTL	Lead	68.400	mg/kg	J	*
	MTL	Magnesium	5270.000	mg/kg		
	MTL	Manganese	440.000	mg/kg		
	MTL	Mercury	0.048	mg/kg	J	N
	MTL	Nickel	13.700	mg/kg	J	N
	MTL	Potassium	12300.000	mg/kg	J	
	MTL	Selenium	1.900	mg/kg	J	+
	MTL	Silver	0.600	mg/kg		
	MTL	Thallium	0.500	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Vanadium	18.800	mg/kg	J	*
	MTL	Zinc	138.000	mg/kg	J	*
	MTL	Cyanide, Total	26.800	mg/kg		
	MTL	Percent Solids	86.200	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	400.000	ug/kg	J	
	TBNA	Unknown	260.000	ug/kg	J	
	TBNA	Unknown	680.000	ug/kg	J	
	TBNA	3-Hexen-2,5-dione	320.000	ug/kg	J	
	TBNA	Unknown Alkane	170.000	ug/kg	J	
	TBNA	Unknown Alkane	350.000	ug/kg	J	
	TVOA	Unknown	8.000	ug/kg	J	
	VOC	Chloroform	3.000	ug/kg		J
	VOC	Trichloroethene	25.000	ug/kg		
	VOC	Tetrachloroethene	67.000	ug/kg		
	VOC	Toluene	58.000	ug/kg		B
WR-SB017-06						
	MTL	Arsenic	25.200	mg/kg	J	*N
	MTL	Barium	390.000	mg/kg		
	MTL	Cadmium	109.000	mg/kg	J	N
	MTL	Calcium	24000.000	mg/kg		
	MTL	Chromium, Total	142.000	mg/kg	J	*
	MTL	Cobalt	15.100	mg/kg	J	
	MTL	Copper	841.000	mg/kg	J	
	MTL	Iron	171000.000	mg/kg	J	*
	MTL	Lead	1980.000	mg/kg	J	*
	MTL	Magnesium	3670.000	mg/kg		
	MTL	Manganese	1050.000	mg/kg		
	MTL	Mercury	0.174	mg/kg	J	N
	MTL	Nickel	300.000	mg/kg	J	N
	MTL	Potassium	1110.000	mg/kg	J	
	MTL	Selenium	4.500	mg/kg	J	+
	MTL	Silver	3.700	mg/kg		
	MTL	Vanadium	19.400	mg/kg	J	*
	MTL	Zinc	1870.000	mg/kg	J	*
	MTL	Cyanide, Total	90.900	mg/kg		
	MTL	Percent Solids	83.000	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	14000.000	ug/kg	J	
	TBNA	Unknown	50000.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Heptadecane	530.000	ug/kg	J	
	TBNA	Eicosane	210.000	ug/kg	J	
	TBNA	Docosane	150.000	ug/kg	J	
	VOC	Acetone	13000.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	16000.000	ug/kg		
	VOC	Bromoform	4700.000	ug/kg		
	VOC	Toluene	59000.000	ug/kg		B
	VOC	Ethylbenzene	750.000	ug/kg		J
	VOC	Total Xylenes	4300.000	ug/kg		
WR-SB022-02						
	MTL	Aluminum	6270.000	mg/kg		
	MTL	Arsenic	11.500	mg/kg	J	N*
	MTL	Barium	79.400	mg/kg		
	MTL	Beryllium	0.590	mg/kg	B	K
	MTL	Calcium	3080.000	mg/kg		*
	MTL	Chromium, Total	15.400	mg/kg		
	MTL	Cobalt	7.000	mg/kg		K
	MTL	Copper	16.600	mg/kg	B	
	MTL	Iron	17200.000	mg/kg		
	MTL	Lead	8.600	mg/kg		*
	MTL	Magnesium	1830.000	mg/kg		
	MTL	Manganese	677.000	mg/kg		
	MTL	Nickel	16.000	mg/kg		
	MTL	Potassium	493.000	mg/kg		K
	MTL	Vanadium	17.600	mg/kg		
	MTL	Zinc	54.600	mg/kg	J	E
	MTL	Cyanide, Total	19.400	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	68.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	360.000	ug/kg		J
	TVOA	Unknown	54.000	ug/kg		
	TVOA	Pentane	22.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	20.000	ug/kg		
	VOC	Tetrachloroethene	9.000	ug/kg		
WR-SB022-06						
	MTL	Aluminum	3800.000	mg/kg		
	MTL	Arsenic	12.500	mg/kg	J	N*
	MTL	Barium	55.000	mg/kg		
	MTL	Beryllium	0.530	mg/kg	B	K
	MTL	Calcium	6500.000	mg/kg		*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Chromium, Total	9.100	mg/kg		
	MTL	Cobalt	5.900	mg/kg		K
	MTL	Copper	9.200	mg/kg	B	
	MTL	Iron	11900.000	mg/kg		
	MTL	Lead	7.500	mg/kg		S*
	MTL	Magnesium	2430.000	mg/kg		
	MTL	Manganese	175.000	mg/kg		
	MTL	Nickel	11.300	mg/kg		
	MTL	Potassium	343.000	mg/kg		K
	MTL	Vanadium	12.100	mg/kg		
	MTL	Zinc	37.900	mg/kg	J	E
	MTL	Cyanide, Total	29.000	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	250.000	ug/kg		J
	TBNA	Unknown	350.000	ug/kg		
	TVOA	Methane, trichlorofluoro-	30.000	ug/kg		
	VOC	Methylene Chloride	38.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	600.000	ug/kg		
	VOC	Trichloroethene	45.000	ug/kg		
	VOC	Tetrachloroethene	80.000	ug/kg		
	VOC	Toluene	200.000	ug/kg		B
WR-SB022-10						
	MTL	Aluminum	6800.000	mg/kg		
	MTL	Arsenic	16.600	mg/kg	J	N*
	MTL	Barium	55.600	mg/kg		
	MTL	Beryllium	0.560	mg/kg	B	K
	MTL	Cadmium	1.800	mg/kg		*
	MTL	Calcium	86700.000	mg/kg		*
	MTL	Chromium, Total	13.100	mg/kg		
	MTL	Cobalt	8.300	mg/kg		K
	MTL	Copper	22.400	mg/kg		
	MTL	Iron	16700.000	mg/kg		
	MTL	Lead	6.600	mg/kg		*
	MTL	Magnesium	21600.000	mg/kg		
	MTL	Manganese	367.000	mg/kg		
	MTL	Nickel	25.600	mg/kg		
	MTL	Potassium	1660.000	mg/kg		
	MTL	Vanadium	17.200	mg/kg		
	MTL	Zinc	47.400	mg/kg	J	E
	MTL	Cyanide, Total	3.440	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-butylphthalate	110.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	bis(2-Ethylhexyl)phthalate	76.000	ug/kg		J
	TBNA	Unknown	800.000	ug/kg		B
	TBNA	Acetic Acid, 1-methylpropyl ester-	700.000	ug/kg		B
	TVOA	Silanol, trimethyl	14.000	ug/kg		B
	TVOA	Pentane	16.000	ug/kg	J	
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB023-02						
	MTL	Aluminum	2770.000	mg/kg		
	MTL	Arsenic	5.900	mg/kg	J	SN*
	MTL	Barium	41.200	mg/kg		K
	MTL	Beryllium	0.360	mg/kg	B	K
	MTL	Calcium	1360.000	mg/kg		*
	MTL	Chromium, Total	6.200	mg/kg		
	MTL	Cobalt	3.700	mg/kg		K
	MTL	Copper	9.600	mg/kg	B	
	MTL	Iron	8620.000	mg/kg		
	MTL	Lead	4.500	mg/kg		*
	MTL	Magnesium	908.000	mg/kg		K
	MTL	Manganese	323.000	mg/kg		
	MTL	Nickel	7.100	mg/kg		K
	MTL	Potassium	229.000	mg/kg		K
	MTL	Vanadium	8.100	mg/kg		K
	MTL	Zinc	25.800	mg/kg	J	E
	MTL	Cyanide, Total	13.700	mg/kg	J	
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	440.000	ug/kg		B
	TBNA	Unknown	270.000	ug/kg	J	
	TBNA	Acetic Acid, 1-methylpropyl ester-	1200.000	ug/kg		B
	VOC	Acetone	32.000	ug/kg		
WR-SB023-06						
	MTL	Aluminum	2340.000	mg/kg		
	MTL	Arsenic	4.200	mg/kg	J	SN*
	MTL	Barium	25.200	mg/kg		K
	MTL	Beryllium	0.370	mg/kg	B	K
	MTL	Calcium	1520.000	mg/kg		*
	MTL	Chromium, Total	6.100	mg/kg		
	MTL	Cobalt	3.300	mg/kg		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Copper	7.800	mg/kg	B	
	MTL	Iron	5210.000	mg/kg		
	MTL	Lead	4.600	mg/kg		*
	MTL	Magnesium	975.000	mg/kg		K
	MTL	Manganese	102.000	mg/kg		
	MTL	Nickel	6.300	mg/kg		K
	MTL	Potassium	298.000	mg/kg		K
	MTL	Vanadium	7.300	mg/kg		K
	MTL	Zinc	22.600	mg/kg	J	E
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	810.000	ug/kg	J	
	TBNA	Butyric Acid, thio-,s-decyl	220.000	ug/kg	J	
	VOC	Acetone	38.000	ug/kg		
WR-SB023-10						
	MTL	Aluminum	5770.000	mg/kg		
	MTL	Arsenic	13.500	mg/kg	J	SN*
	MTL	Barium	49.900	mg/kg		
	MTL	Beryllium	0.460	mg/kg	B	K
	MTL	Calcium	106000.000	mg/kg		*
	MTL	Chromium, Total	11.300	mg/kg		
	MTL	Cobalt	7.500	mg/kg		K
	MTL	Copper	20.200	mg/kg		
	MTL	Iron	15800.000	mg/kg		
	MTL	Lead	8.400	mg/kg		S*
	MTL	Magnesium	29000.000	mg/kg		
	MTL	Manganese	372.000	mg/kg		
	MTL	Nickel	21.700	mg/kg		
	MTL	Potassium	1420.000	mg/kg		
	MTL	Vanadium	15.100	mg/kg		
	MTL	Zinc	49.300	mg/kg	J	E
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	Di-n-octylphthalate	950.000	ug/kg		J
	TBNA	Unknown	450.000	ug/kg	J	
	TBNA	Tetradecane	240.000	ug/kg	J	
	TBNA	Pentadecane	380.000	ug/kg	J	
	TBNA	Hexacosane	230.000	ug/kg	J	
	TBNA	Unknown Phthalate	230.000	ug/kg	J	
	VOC	Acetone	130.000	ug/kg		
	VOC	Carbon Disulfide	4.000	ug/kg		J
	VOC	Toluene	110.000	ug/kg		B

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB024-02						
	MTL	Aluminum	5800.000	mg/kg		
	MTL	Arsenic	4.000	mg/kg		S
	MTL	Barium	69.300	mg/kg		
	MTL	Beryllium	0.310	mg/kg		K
	MTL	Calcium	1950.000	mg/kg		
	MTL	Chromium, Total	10.600	mg/kg		*
	MTL	Cobalt	6.100	mg/kg		K
	MTL	Copper	9.800	mg/kg		
	MTL	Iron	14000.000	mg/kg		
	MTL	Lead	7.400	mg/kg	J	S*
	MTL	Magnesium	1430.000	mg/kg		
	MTL	Manganese	596.000	mg/kg	J	
	MTL	Nickel	11.900	mg/kg		
	MTL	Potassium	356.000	mg/kg		K
	MTL	Vanadium	14.600	mg/kg		
	MTL	Zinc	41.700	mg/kg		
	MTL	Cyanide, Total	29.600	mg/kg		
	P/PCB	Endrin	19.000	ug/kg	NJ	
	SVOC	Diethylphthalate	23.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	160.000	ug/kg		JX
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	Unknown	450.000	ug/kg		J
	TBNA	Unknown	320.000	ug/kg		J
	TBNA	Unknown	180.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	520.000	ug/kg		J
	VOC	Acetone	18.000	ug/kg		
WR-SB024-06						
	MTL	Aluminum	3170.000	mg/kg		
	MTL	Arsenic	5.000	mg/kg		S
	MTL	Barium	26.800	mg/kg		K
	MTL	Calcium	1180.000	mg/kg		
	MTL	Chromium, Total	6.900	mg/kg		*
	MTL	Cobalt	3.700	mg/kg		K
	MTL	Copper	6.100	mg/kg		
	MTL	Iron	10900.000	mg/kg		
	MTL	Lead	2.700	mg/kg	J	K*
	MTL	Magnesium	1070.000	mg/kg		K
	MTL	Manganese	172.000	mg/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Nickel	7.500	mg/kg		K
	MTL	Potassium	258.000	mg/kg		K
	MTL	Vanadium	9.200	mg/kg		K
	MTL	Zinc	24.200	mg/kg		
	MTL	Cyanide, Total	28.500	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	170.000	ug/kg		JX
	TBNA	Unknown	520.000	ug/kg		J
	TBNA	2-Octen-2-ol, acetate	290.000	ug/kg		J
	TBNA	1,2-Benzenedicarboxylic Acid	240.000	ug/kg		J
	VOC	Acetone	36.000	ug/kg		
	VOC	Tetrachloroethene	9.000	ug/kg		
	VOC	Toluene	94.000	ug/kg		B
WR-SB024-06DUP						
	MTL	Aluminum	3340.000	mg/kg		
	MTL	Arsenic	1.500	mg/kg		KW
	MTL	Barium	33.600	mg/kg		K
	MTL	Calcium	1380.000	mg/kg		
	MTL	Chromium, Total	8.200	mg/kg		*
	MTL	Cobalt	3.600	mg/kg		K
	MTL	Copper	7.400	mg/kg		
	MTL	Iron	9000.000	mg/kg		
	MTL	Lead	5.800	mg/kg	J	+*
	MTL	Magnesium	1180.000	mg/kg		
	MTL	Manganese	256.000	mg/kg	J	
	MTL	Nickel	8.100	mg/kg		K
	MTL	Potassium	266.000	mg/kg		K
	MTL	Vanadium	9.900	mg/kg		K
	MTL	Zinc	26.800	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	200.000	ug/kg		JX
	SVOC	Di-n-octylphthalate	85.000	ug/kg		J
	TBNA	Unknown	370.000	ug/kg		J
	TBNA	Unknown	210.000	ug/kg		J
	TBNA	3-Heptanone, 2,4-dimethyl-	500.000	ug/kg		J
	VOC	Acetone	20.000	ug/kg		
	VOC	Chloroform	11.000	ug/kg		B
	VOC	Tetrachloroethene	12.000	ug/kg		
	VOC	Toluene	62.000	ug/kg		B
WR-SB024-10						

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Aluminum	4640.000	mg/kg		
	MTL	Arsenic	3.500	mg/kg		S
	MTL	Barium	39.100	mg/kg		K
	MTL	Beryllium	0.240	mg/kg		K
	MTL	Calcium	91300.000	mg/kg		
	MTL	Chromium, Total	9.300	mg/kg		*
	MTL	Cobalt	5.900	mg/kg		K
	MTL	Copper	18.300	mg/kg		
	MTL	Iron	14100.000	mg/kg		
	MTL	Lead	10.300	mg/kg	J	S*
	MTL	Magnesium	25200.000	mg/kg		
	MTL	Manganese	309.000	mg/kg	J	
	MTL	Nickel	17.700	mg/kg		
	MTL	Potassium	1050.000	mg/kg		K
	MTL	Silver	1.300	mg/kg	J	KN
	MTL	Vanadium	12.700	mg/kg		
	MTL	Zinc	47.100	mg/kg		
	MTL	Cyanide, Total	3.850	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	110.000	ug/kg		JX
	TBNA	Unknown	260.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	270.000	ug/kg		J
	TBNA	2-Hexanone, 6-(Acetyloxy)-	550.000	ug/kg		J
	TBNA	Decane, 2,3,8-Trimethyl-	170.000	ug/kg		J
	TVOA	Unknown	8.000	ug/kg		
	VOC	Methylene Chloride	310.000	ug/kg		
	VOC	Acetone	420.000	ug/kg		B
	VOC	Carbon Disulfide	3.000	ug/kg		J
	VOC	Chloroform	21.000	ug/kg		
	VOC	2-Butanone	81.000	ug/kg		
	VOC	Toluene	290.000	ug/kg		B
WR-SB025-02						
	MTL	Arsenic	18.800	mg/kg	J	*N
	MTL	Barium	94.900	mg/kg		
	MTL	Calcium	3790.000	mg/kg		
	MTL	Chromium, Total	15.000	mg/kg	J	*
	MTL	Copper	16.600	mg/kg	J	
	MTL	Iron	16300.000	mg/kg	J	*
	MTL	Lead	21.200	mg/kg	J	*
	MTL	Magnesium	2310.000	mg/kg		
	MTL	Manganese	833.000	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Mercury	0.089	mg/kg	J	N
	MTL	Nickel	19.800	mg/kg	J	N
	MTL	Potassium	1300.000	mg/kg	J	
	MTL	Selenium	2.000	mg/kg	J	+
	MTL	Thallium	0.500	mg/kg		
	MTL	Vanadium	20.600	mg/kg	J	*
	MTL	Zinc	86.700	mg/kg	J	*
	MTL	Percent Solids	80.200	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Unknown	7.000	ug/kg	J	
	TVOA	Hexane	6.000	ug/kg	J	
	VOC	Acetone	260.000	ug/kg	J	B
WR-SB025-06						
	MTL	Arsenic	18.200	mg/kg	J	*N
	MTL	Barium	71.100	mg/kg		
	MTL	Calcium	1940.000	mg/kg		
	MTL	Copper	22.100	mg/kg	J	
	MTL	Iron	19500.000	mg/kg	J	*
	MTL	Lead	13.700	mg/kg	J	*
	MTL	Magnesium	2130.000	mg/kg		
	MTL	Manganese	923.000	mg/kg		
	MTL	Nickel	28.100	mg/kg	J	N
	MTL	Potassium	871.000	mg/kg	J	
	MTL	Selenium	1.900	mg/kg	J	+
	MTL	Thallium	0.300	mg/kg		
	MTL	Vanadium	17.200	mg/kg	J	*
	MTL	Zinc	80.000	mg/kg	J	*
	MTL	Percent Solids	87.300	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TVOA	Unknown	6.000	ug/kg	J	
	TVOA	Unknown	29.000	ug/kg	J	
	VOC	Acetone	220.000	ug/kg	J	B
	VOC	Toluene	51.000	ug/kg		B
WR-SB025-10						
	MTL	Arsenic	18.800	mg/kg	J	*N
	MTL	Barium	26.100	mg/kg		
	MTL	Calcium	2200.000	mg/kg		
	MTL	Chromium, Total	13.300	mg/kg	J	*

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Cobalt	8.100	mg/kg	J	
	MTL	Copper	26.500	mg/kg	J	
	MTL	Iron	19800.000	mg/kg	J	*
	MTL	Lead	15.000	mg/kg	J	*
	MTL	Magnesium	2630.000	mg/kg		
	MTL	Manganese	140.000	mg/kg		
	MTL	Mercury	0.054	mg/kg	J	N
	MTL	Nickel	30.700	mg/kg	J	N
	MTL	Potassium	1520.000	mg/kg	J	
	MTL	Selenium	1.600	mg/kg	J	+
	MTL	Thallium	0.400	mg/kg		
	MTL	Vanadium	17.700	mg/kg	J	*
	MTL	Zinc	84.000	mg/kg	J	*
	MTL	Percent Solids	83.500	%		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	5-Hexen-2-one	270.000	ug/kg	J	
	TBNA	3-Penten-2-one, 3,4-Dimethyl-	370.000	ug/kg	J	
	TBNA	2H-Pyran-2,3-Diol, tetrahydro-, Diacetate, cis-	340.000	ug/kg	J	
	TVOA	Pentane	10.000	ug/kg	J	
	VOC	Acetone	260.000	ug/kg	J	B
	VOC	Toluene	56.000	ug/kg		B
WR-SB026-02						
	MTL	Aluminum	5320.000	mg/kg		
	MTL	Arsenic	4.500	mg/kg		S
	MTL	Barium	54.400	mg/kg		
	MTL	Beryllium	0.320	mg/kg		K
	MTL	Calcium	3800.000	mg/kg		
	MTL	Chromium, Total	7.600	mg/kg		*
	MTL	Cobalt	4.500	mg/kg		K
	MTL	Copper	10.100	mg/kg		
	MTL	Iron	8270.000	mg/kg		
	MTL	Lead	20.600	mg/kg	J	*
	MTL	Magnesium	1140.000	mg/kg		K
	MTL	Manganese	465.000	mg/kg	J	
	MTL	Nickel	9.100	mg/kg		K
	MTL	Potassium	424.000	mg/kg		K
	MTL	Vanadium	10.800	mg/kg		K
	MTL	Zinc	39.000	mg/kg		
	MTL	Cyanide, Total	66.000	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	Phenanthrene	41.000	ug/kg		J
	SVOC	Fluoranthene	46.000	ug/kg		J
	SVOC	Pyrene	44.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	170.000	ug/kg		JX
	TBNA	Unknown	610.000	ug/kg		J
	TBNA	Unknown	300.000	ug/kg		J
	TBNA	Unknown	220.000	ug/kg		J
	TBNA	Unknown	380.000	ug/kg		J
	TBNA	Unknown	170.000	ug/kg		J
	TBNA	Unknown	170.000	ug/kg		J
	TBNA	Unknown	390.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	790.000	ug/kg		J
	TBNA	Hexane, 2-Iodo-	190.000	ug/kg		J
	TBNA	Hexadecanoic Acid	190.000	ug/kg		J
	TVOA	Hexane	13.000	ug/kg	J	
	TVOA	Benzene, 1,3,5-trimethyl-	59.000	ug/kg	J	
	VOC	Toluene	240.000	ug/kg		
WR-SB026-06						
	MTL	Aluminum	9870.000	mg/kg		
	MTL	Arsenic	6.500	mg/kg		S
	MTL	Barium	42.400	mg/kg		K
	MTL	Beryllium	0.410	mg/kg		K
	MTL	Calcium	1530.000	mg/kg		
	MTL	Chromium, Total	15.600	mg/kg		*
	MTL	Cobalt	9.600	mg/kg		K
	MTL	Copper	22.700	mg/kg		
	MTL	Iron	19600.000	mg/kg		
	MTL	Lead	10.900	mg/kg	J	S*
	MTL	Magnesium	2200.000	mg/kg		
	MTL	Manganese	474.000	mg/kg	J	
	MTL	Nickel	20.600	mg/kg		
	MTL	Potassium	775.000	mg/kg		K
	MTL	Silver	1.500	mg/kg	J	KN
	MTL	Vanadium	23.100	mg/kg		
	MTL	Zinc	52.800	mg/kg		
	MTL	Cyanide, Total	6.700	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	160.000	ug/kg		JX
	TBNA	Unknown	640.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	320.000	ug/kg		J

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PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB026-10						
	MTL	Aluminum	3270.000	mg/kg		
	MTL	Arsenic	7.200	mg/kg		S
	MTL	Barium	15.300	mg/kg		K
	MTL	Beryllium	0.230	mg/kg		K
	MTL	Calcium	113000.000	mg/kg		
	MTL	Chromium, Total	10.600	mg/kg		*
	MTL	Cobalt	4.600	mg/kg		K
	MTL	Copper	20.800	mg/kg		
	MTL	Iron	13500.000	mg/kg		
	MTL	Lead	5.200	mg/kg	J	S*
	MTL	Magnesium	27700.000	mg/kg		
	MTL	Manganese	333.000	mg/kg	J	
	MTL	Nickel	20.000	mg/kg		
	MTL	Potassium	670.000	mg/kg		K
	MTL	Silver	1.400	mg/kg	J	KN
	MTL	Sodium	429.000	mg/kg		
	MTL	Vanadium	12.000	mg/kg		
	MTL	Zinc	33.000	mg/kg		
	MTL	Cyanide, Total	3.860	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	120.000	ug/kg		JX
	TBNA	Unknown	630.000	ug/kg		J
	TBNA	Unknown	210.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, Tetrahydro-, Diacetate, trans	340.000	ug/kg		J
	TBNA	Heptadecane	160.000	ug/kg		J
	TBNA	Hexane, 2-Iodo-	370.000	ug/kg		J
	TBNA	Decane, 6-Ethyl-2-Methyl	170.000	ug/kg		J
	TBNA	Tridecane, 4,8-Dimethyl	160.000	ug/kg		J
	TBNA	Pentadecane, 2,6,10,14-Tetramethyl-	200.000	ug/kg		J
	TVOA	Hexane	17.000	ug/kg	J	
	VOC	Acetone	190.000	ug/kg		B
	VOC	Chloroform	16.000	ug/kg		B

WARZYN

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PHASE II SOIL RESULTS

WARZYN ENGINEERING INC.
PHASE II LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB002E-05						
	VOC	Trichloroethene	2.000	ug/kg		J
	VOC	Tetrachloroethene	7.000	ug/kg		
WR-SB002E-10						
	VOC	Trichloroethene	3.000	ug/kg		J
	VOC	Tetrachloroethene	7.000	ug/kg		
WR-SB002S-05						
	VOC	Trichloroethene	17.000	ug/kg		
	VOC	Tetrachloroethene	2.000	ug/kg		J
WR-SB002S-10						
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB002W-05						
	VOC	Trichloroethene	2.000	ug/kg		J
WR-SB002W-10						
	VOC	Trichloroethene	5.000	ug/kg	J	J
	VOC	Tetrachloroethene	2.000	ug/kg	J	J
WR-SB007E-05						
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB007E-10						
	VOC	Toluene	1.000	ug/kg		J
WR-SB007N-05						
	VOC	Total 1,2-Dichloroethene	2.000	ug/kg		J
	VOC	Trichloroethene	26.000	ug/kg		
	VOC	Tetrachloroethene	8.000	ug/kg	J	
WR-SB007N-10						
	VOC	Total 1,2-Dichloroethene	66.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Trichloroethene	13.000	ug/kg	J	
	VOC	Tetrachloroethene	2.000	ug/kg	J	J
WR-SB007W-05						
	VOC	Trichloroethene	1.000	ug/kg	J	J
WR-SB007W-10						
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB017A-05						
	MTL	Aluminum	22600.000	mg/kg	J	*
	MTL	Antimony	34.200	mg/kg	J	N
	MTL	Arsenic	33.300	mg/kg	J	S*N
	MTL	Barium	516.000	mg/kg	J	*N
	MTL	Cadmium	15.800	mg/kg		
	MTL	Calcium	34600.000	mg/kg		
	MTL	Chromium, Total	57.900	mg/kg	J	*N
	MTL	Cobalt	20.000	mg/kg		K
	MTL	Copper	1350.000	mg/kg	J	*
	MTL	Iron	155000.000	mg/kg		
	MTL	Lead	1650.000	mg/kg		
	MTL	Magnesium	4870.000	mg/kg		
	MTL	Manganese	1460.000	mg/kg	J	*
	MTL	Mercury	0.400	mg/kg	J	*
	MTL	Nickel	65.000	mg/kg		
	MTL	Potassium	1610.000	mg/kg		K
	MTL	Silver	4.800	mg/kg	J	N
	MTL	Vanadium	18.400	mg/kg		K
	MTL	Zinc	3000.000	mg/kg	J	E*
WR-SB017A-10						
	MTL	Aluminum	14300.000	mg/kg	J	*
	MTL	Antimony	17.700	mg/kg	J	KN
	MTL	Arsenic	36.400	mg/kg	J	S*N
	MTL	Barium	157.000	mg/kg	J	*N
	MTL	Cadmium	4.700	mg/kg		
	MTL	Calcium	46600.000	mg/kg		
	MTL	Chromium, Total	54.300	mg/kg	J	*N
	MTL	Cobalt	16.600	mg/kg		K
	MTL	Copper	218.000	mg/kg	J	*

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PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Iron	133000.000	mg/kg		
	MTL	Lead	622.000	mg/kg		
	MTL	Magnesium	7790.000	mg/kg		
	MTL	Manganese	897.000	mg/kg	J	*
	MTL	Nickel	53.800	mg/kg		
	MTL	Potassium	1130.000	mg/kg		K
	MTL	Vanadium	20.200	mg/kg		K
	MTL	Zinc	878.000	mg/kg	J	E*
WR-SB017A-10DUP						
	MTL	Aluminum	13600.000	mg/kg	J	*
	MTL	Antimony	13.200	mg/kg	J	KN
	MTL	Arsenic	19.500	mg/kg	J	S*N
	MTL	Barium	149.000	mg/kg	J	*N
	MTL	Cadmium	6.100	mg/kg		
	MTL	Calcium	35800.000	mg/kg		
	MTL	Chromium, Total	49.500	mg/kg	J	*N
	MTL	Cobalt	13.000	mg/kg		
	MTL	Copper	6890.000	mg/kg	J	*
	MTL	Iron	110000.000	mg/kg		
	MTL	Lead	1080.000	mg/kg		
	MTL	Magnesium	6260.000	mg/kg		
	MTL	Manganese	714.000	mg/kg	J	*
	MTL	Mercury	0.100	mg/kg	J	*
	MTL	Nickel	40.500	mg/kg		
	MTL	Potassium	1120.000	mg/kg		K
	MTL	Silver	2.300	mg/kg	J	KN
	MTL	Vanadium	17.300	mg/kg		
	MTL	Zinc	1020.000	mg/kg	J	E*
WR-SB018A-05						
	SVOC	Naphthalene	3800.000	ug/kg		
	SVOC	2-Methylnaphthalene	24000.000	ug/kg		
	SVOC	Acenaphthene	1600.000	ug/kg		J
	SVOC	Dibenzofuran	2200.000	ug/kg		
	SVOC	Fluorene	1900.000	ug/kg		
	SVOC	Phenanthrene	5500.000	ug/kg		
	SVOC	Anthracene	890.000	ug/kg		J
	SVOC	Fluoranthene	3000.000	ug/kg		
	SVOC	Pyrene	1900.000	ug/kg		
	SVOC	Benzo(a)anthracene	1300.000	ug/kg		J
	SVOC	Chrysene	1400.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	SVOC	Benzo(b)fluoranthene	2900.000	ug/kg	J	X
	SVOC	Benzo(k)fluoranthene	2900.000	ug/kg	J	X
	SVOC	Benzo(a)pyrene	1300.000	ug/kg		J
	SVOC	Indeno(1,2,3-cd)pyrene	490.000	ug/kg		J
	SVOC	Benzo(g,h,i)perylene	560.000	ug/kg		J
	TBNA	Unknown	9000.000	ug/kg		J
	TBNA	Unknown	19000.000	ug/kg		J
	TBNA	Unknown	20000.000	ug/kg		J
	TBNA	Unknown	15000.000	ug/kg		J
	TBNA	Unknown	44000.000	ug/kg		J
	TBNA	Unknown	24000.000	ug/kg		J
	TBNA	Unknown	32000.000	ug/kg		J
	TBNA	Unknown	44000.000	ug/kg		J
	TBNA	Unknown	15000.000	ug/kg		J
	TBNA	Unknown	9500.000	ug/kg		J
	TBNA	Unknown	24000.000	ug/kg		J
	TBNA	Unknown	12000.000	ug/kg		J
	TBNA	Unknown	17000.000	ug/kg		J
	TBNA	Unknown	9400.000	ug/kg		J
	TBNA	Unknown	15000.000	ug/kg		J
	TBNA	Unknown	27000.000	ug/kg		J
	TBNA	Unknown Hydrocarbon	19000.000	ug/kg		J
	TBNA	Unknown Hydrocarbon	10000.000	ug/kg		J
	TBNA	Unknown Hydrocarbon	9900.000	ug/kg		J
	TBNA	Unknown Hydrocarbon	19000.000	ug/kg		J
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB018A-10						
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	320.000	ug/kg		J
	TBNA	Unknown	550.000	ug/kg		J
	TBNA	Aldol	520.000	ug/kg		AJ
	TBNA	Aldol	280.000	ug/kg		AJ
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB027-05						
	VOC	Total 1,2-Dichloroethene	1.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	2.000	ug/kg		J
	VOC	Trichloroethene	11.000	ug/kg	J	
	VOC	Tetrachloroethene	5.000	ug/kg	J	J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB027-05DUP						
	VOC	1,1,1-Trichloroethane	5.000	ug/kg		J
	VOC	Trichloroethene	21.000	ug/kg		
	VOC	Tetrachloroethene	7.000	ug/kg		
WR-SB027-10						
	VOC	1,1,1-Trichloroethane	37.000	ug/kg		
	VOC	Trichloroethene	120.000	ug/kg	J	
	VOC	Tetrachloroethene	24.000	ug/kg	J	
	VOC	Toluene	1.000	ug/kg		J
WR-SB027-10DUP						
	VOC	1,1,1-Trichloroethane	45.000	ug/kg		
	VOC	Trichloroethene	140.000	ug/kg		
	VOC	Tetrachloroethene	21.000	ug/kg		
	VOC	Toluene	1.000	ug/kg		J
WR-SB028-05						
	VOC	1,1-Dichloroethane	2.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	2.000	ug/kg		J
WR-SB028-10						
	VOC	1,1-Dichloroethane	7.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	15.000	ug/kg		
	VOC	1,1,1-Trichloroethane	2.000	ug/kg		J
	VOC	Trichloroethene	15.000	ug/kg		
	VOC	Toluene	2.000	ug/kg		J
WR-SB029-05						
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB029-10						
	VOC	1,1-Dichloroethane	150.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	3200.000	ug/kg	J	
	VOC	1,1,1-Trichloroethane	120.000	ug/kg	J	
	VOC	Trichloroethene	16.000	ug/kg	J	J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB030-05						
	VOC	Total 1,2-Dichloroethene	220.000	ug/kg		
WR-SB030-10						
	VOC	Total 1,2-Dichloroethene	3800.000	ug/kg	J	DE
	VOC	1,1,1-Trichloroethane	6.000	ug/kg	J	J
	VOC	Trichloroethene	11.000	ug/kg	J	J
	VOC	Toluene	31.000	ug/kg	J	
WR-SB031-05						
	VOC	Trichloroethene	8.000	ug/kg		
WR-SB031-10						
	VOC	Trichloroethene	24.000	ug/kg		
WR-SB032-05						
	VOC	Trichloroethene	3.000	ug/kg		J
	VOC	Tetrachloroethene	2.000	ug/kg		J
WR-SB032-10						
	VOC	Total 1,2-Dichloroethene	60.000	ug/kg		
	VOC	Trichloroethene	11.000	ug/kg		
	VOC	Tetrachloroethene	7.000	ug/kg		
	VOC	Toluene	2.000	ug/kg		J
WR-SB033-05						
	VOC	Total 1,2-Dichloroethene	68.000	ug/kg		
	VOC	Trichloroethene	220.000	ug/kg		
	VOC	Tetrachloroethene	20.000	ug/kg		
WR-SB033-10						
	VOC	Total 1,2-Dichloroethene	82000.000	ug/kg		
	VOC	Trichloroethene	9300.000	ug/kg		
	VOC	Tetrachloroethene	1400.000	ug/kg		J
	VOC	Toluene	580.000	ug/kg		J
	VOC	Ethylbenzene	600.000	ug/kg		J
	VOC	Total Xylenes	2800.000	ug/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SB034-05						
	VOC	No Compounds Detected	0.000	ug/kg		
WR-SB034-10						
	VOC	Total 1,2-Dichloroethene	190.000	ug/kg		
	VOC	Trichloroethene	6.000	ug/kg		
	VOC	Tetrachloroethene	3.000	ug/kg		J
WR-SB035-05						
	VOC	Tetrachloroethene	3.000	ug/kg		J
WR-SB035-10						
	TVOA	Unknown	52.000	ug/kg		J
	VOC	Methylene Chloride	20.000	ug/kg		
	VOC	1,1-Dichloroethane	12.000	ug/kg		
	VOC	Total 1,2-Dichloroethene	190.000	ug/kg		
	VOC	Chloroform	2.000	ug/kg		J
	VOC	1,1,1-Trichloroethane	220.000	ug/kg		
	VOC	1,2-Dichloropropane	4.000	ug/kg		J
	VOC	Trichloroethene	16.000	ug/kg		
	VOC	Tetrachloroethene	8.000	ug/kg		
	VOC	Toluene	43.000	ug/kg		
	VOC	Ethylbenzene	8.000	ug/kg		
	VOC	Total Xylenes	25.000	ug/kg		
WR-SB036-05						
	VOC	Total 1,2-Dichloroethene	4.000	ug/kg	J	J
	VOC	1,1,1-Trichloroethane	7.000	ug/kg	J	J
	VOC	Trichloroethene	270.000	ug/kg	J	E
	VOC	Tetrachloroethene	1.000	ug/kg		J
	VOC	Toluene	2.000	ug/kg	J	J
WR-SB036-10						
	VOC	1,1-Dichloroethane	5.000	ug/kg		J
	VOC	Total 1,2-Dichloroethene	880.000	ug/kg	J	
	VOC	Chloroform	2.000	ug/kg		BJ
	VOC	1,1,1-Trichloroethane	9600.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Soil Boring

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Trichloroethene	83000.000	ug/kg	J	D
	VOC	1,1,2-Trichloroethane	2.000	ug/kg		J
	VOC	Tetrachloroethene	2.000	ug/kg		J
	VOC	Toluene	3.000	ug/kg		J
	VOC	Total Xylenes	1000.000	ug/kg	J	
WR-SB037-05						
	VOC	Trichloroethene	3.000	ug/kg		J
	VOC	Tetrachloroethene	170.000	ug/kg		
WR-SB037-10						
	VOC	Total 1,2-Dichloroethene	56.000	ug/kg		
	VOC	Trichloroethene	32.000	ug/kg		
	VOC	Tetrachloroethene	210.000	ug/kg		D
	VOC	Toluene	2.000	ug/kg		J
WR-SB038-05						
	VOC	Total 1,2-Dichloroethene	5.000	ug/kg		J
	VOC	Trichloroethene	7.000	ug/kg		
	VOC	Tetrachloroethene	5.000	ug/kg		J
	VOC	Toluene	1.000	ug/kg		J
WR-SB038-10						
	VOC	Total 1,2-Dichloroethene	7.000	ug/kg		
	VOC	Trichloroethene	8.000	ug/kg		
	VOC	Tetrachloroethene	4.000	ug/kg		J
	VOC	Toluene	2.000	ug/kg		J

WARZYN

J-8

SURFACE SOIL SAMPLES

WARZYN ENGINEERING INC.
PHASE I LABORATORY RESULTS
BY SAMPLE ID

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
WR-SS001-01						
	MTL	Aluminum	10300.000	mg/kg		
	MTL	Arsenic	13.000	mg/kg		S
	MTL	Barium	159.000	mg/kg		
	MTL	Beryllium	0.760	mg/kg		K
	MTL	Cadmium	1.300	mg/kg		
	MTL	Calcium	4870.000	mg/kg		
	MTL	Chromium, Total	20.600	mg/kg		
	MTL	Cobalt	9.600	mg/kg		K
	MTL	Copper	17.600	mg/kg		
	MTL	Iron	25100.000	mg/kg		
	MTL	Lead	17.800	mg/kg		SN
	MTL	Magnesium	2570.000	mg/kg		
	MTL	Manganese	1330.000	mg/kg		N
	MTL	Nickel	19.900	mg/kg		
	MTL	Potassium	844.000	mg/kg		K
	MTL	Silver	1.900	mg/kg	J	KN
	MTL	Vanadium	25.300	mg/kg		
	MTL	Zinc	141.000	mg/kg	J	E
	MTL	Cyanide, Total	126.000	mg/kg		
	P/PCB	No Compounds Detected	0.000	ug/kg		
	SVOC	No Compounds Detected	0.000	ug/kg		
	TBNA	Unknown	330.000	ug/kg		J
	TBNA	Unknown	190.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	180.000	ug/kg		J
	TBNA	Octadecanal	420.000	ug/kg		J
	TBNA	Tetracontane, 3,5,24-trimethyl-	540.000	ug/kg		J
	TBNA	Undecane, 2,3-dimethyl-	830.000	ug/kg		J
	TVOA	Unknown	33.000	ug/kg	J	
	TVOA	Unknown	11.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	9.000	ug/kg	J	
	VOC	Chloroform	6.000	ug/kg		
WR-SS002-01						
	MTL	Aluminum	12900.000	mg/kg		
	MTL	Arsenic	19.300	mg/kg		S
	MTL	Barium	172.000	mg/kg		
	MTL	Beryllium	0.820	mg/kg		K
	MTL	Cadmium	2.400	mg/kg		
	MTL	Calcium	4480.000	mg/kg		
	MTL	Chromium, Total	31.900	mg/kg		
	MTL	Cobalt	11.200	mg/kg		K

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Copper	17.500	mg/kg		
	MTL	Iron	32000.000	mg/kg		
	MTL	Lead	13.800	mg/kg		N
	MTL	Magnesium	3050.000	mg/kg		
	MTL	Manganese	1570.000	mg/kg		N
	MTL	Nickel	29.600	mg/kg		
	MTL	Potassium	779.000	mg/kg		K
	MTL	Silver	2.600	mg/kg	J	KN
	MTL	Sodium	1450.000	mg/kg		
	MTL	Vanadium	31.400	mg/kg		
	MTL	Zinc	208.000	mg/kg	J	E
	MTL	Cyanide, Total	37.300	mg/kg		
	P/PCB	AROCLOR-1248	150.000	ug/kg	J	
	SVOC	bis(2-Ethylhexyl)phthalate	77.000	ug/kg		JX
	TBNA	Unknown	330.000	ug/kg		J
	VOC	Chloroform	22.000	ug/kg		
WR-SS003-01						
	MTL	Aluminum	12500.000	mg/kg		
	MTL	Arsenic	13.300	mg/kg		S
	MTL	Barium	159.000	mg/kg		
	MTL	Beryllium	0.720	mg/kg		K
	MTL	Cadmium	695.000	mg/kg		
	MTL	Calcium	2030.000	mg/kg		
	MTL	Chromium, Total	30.000	mg/kg		
	MTL	Cobalt	11.300	mg/kg		K
	MTL	Copper	15.700	mg/kg		
	MTL	Iron	30000.000	mg/kg		
	MTL	Lead	19.500	mg/kg		SN
	MTL	Magnesium	2360.000	mg/kg		
	MTL	Manganese	1600.000	mg/kg		N
	MTL	Nickel	525.000	mg/kg		
	MTL	Potassium	972.000	mg/kg		K
	MTL	Silver	2.600	mg/kg	J	N
	MTL	Thallium	0.490	mg/kg		KW
	MTL	Vanadium	30.800	mg/kg		
	MTL	Zinc	195.000	mg/kg	J	E
	MTL	Cyanide, Total	49.800	mg/kg		
	P/PCB	AROCLOR-1248	3400.000	ug/kg	J	D
	SVOC	bis(2-Ethylhexyl)phthalate	150.000	ug/kg		JX
	TBNA	Unknown	190.000	ug/kg		J
	TBNA	2(5H)-Furanone, 5,5-Dimethyl-	280.000	ug/kg		J
	TBNA	Eicosane, 10-methyl-	620.000	ug/kg		J

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TBNA	Decane, 2,4-dimethyl-	230.000	ug/kg		J
	TVOA	Unknown	8.000	ug/kg	J	
	VOC	Chloroform	6.000	ug/kg		J
WR-SS004-01						
	MTL	Aluminum	11700.000	mg/kg		
	MTL	Arsenic	11.000	mg/kg		S
	MTL	Barium	208.000	mg/kg		
	MTL	Beryllium	0.910	mg/kg		K
	MTL	Cadmium	2.500	mg/kg		
	MTL	Calcium	4510.000	mg/kg		
	MTL	Chromium, Total	23.100	mg/kg		
	MTL	Cobalt	4.200	mg/kg		K
	MTL	Copper	3.500	mg/kg		K
	MTL	Iron	30100.000	mg/kg		
	MTL	Lead	18.200	mg/kg		N
	MTL	Magnesium	2820.000	mg/kg		
	MTL	Manganese	2140.000	mg/kg		N
	MTL	Nickel	18.900	mg/kg		
	MTL	Potassium	1090.000	mg/kg		K
	MTL	Silver	2.400	mg/kg	J	KN
	MTL	Sodium	777.000	mg/kg		K
	MTL	Vanadium	28.900	mg/kg		
	MTL	Zinc	1760.000	mg/kg	J	E
	MTL	Cyanide, Total	98.700	mg/kg		
	P/PCB	AROCLOR-1248	2000.000	ug/kg		D
	SVOC	Butylbenzylphthalate	140.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	87.000	ug/kg		JX
	TBNA	Unknown	250.000	ug/kg		J
	TBNA	Unknown	250.000	ug/kg		J
	TBNA	Unknown	370.000	ug/kg		J
	TBNA	Unknown	330.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	210.000	ug/kg		J
	TBNA	Heptadecane	300.000	ug/kg		J
	TBNA	2H-Pyran-2,3-Diol, tetrahydro-, Diacetate, cis-	200.000	ug/kg		J
	TBNA	Decane, 3,6-dimethyl-	470.000	ug/kg		J
	VOC	Chloroform	6.000	ug/kg		
WR-SS004-91						
	MTL	Aluminum	9180.000	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Arsenic	11.400	mg/kg		S
	MTL	Barium	145.000	mg/kg		
	MTL	Beryllium	0.830	mg/kg		K
	MTL	Cadmium	17.900	mg/kg		
	MTL	Calcium	5630.000	mg/kg		
	MTL	Chromium, Total	88.800	mg/kg		
	MTL	Cobalt	8.900	mg/kg		K
	MTL	Copper	20.200	mg/kg		
	MTL	Iron	24200.000	mg/kg		
	MTL	Lead	18.900	mg/kg		N
	MTL	Magnesium	2590.000	mg/kg		
	MTL	Manganese	1220.000	mg/kg		N
	MTL	Nickel	85.500	mg/kg		
	MTL	Potassium	781.000	mg/kg		K
	MTL	Silver	2.200	mg/kg	J	KN
	MTL	Vanadium	22.100	mg/kg		
	MTL	Zinc	532.000	mg/kg	J	E
	MTL	Cyanide, Total	148.000	mg/kg	J	*
	P/PCB	AROCLOR-1248	3200.000	ug/kg	CJ	D
	SVOC	Butylbenzylphthalate	83.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	160.000	ug/kg		JX
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	260.000	ug/kg		J
	TBNA	Unknown	420.000	ug/kg		J
	TBNA	Unknown	250.000	ug/kg		J
	TBNA	Unknown	340.000	ug/kg		J
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	330.000	ug/kg		J
	TBNA	Unknown	250.000	ug/kg		J
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	590.000	ug/kg		J
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	270.000	ug/kg		J
	TBNA	Unknown	200.000	ug/kg		J
	TBNA	Unknown	590.000	ug/kg		J
	TBNA	Unknown Alkane	360.000	ug/kg		J
	TBNA	Decane, 6-Ethyl-2-Methyl	840.000	ug/kg		J
	TBNA	Unknown Aliphatic Acid	270.000	ug/kg		J
	TBNA	PCB Isomer	280.000	ug/kg		J
	TBNA	PCB Isomer	190.000	ug/kg		J
	TBNA	1H-Indene, Octahydro-2,2,4,4...	200.000	ug/kg		J
	TVOA	Unknown	32.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	6.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	VOC	Chloroform	10.000	ug/kg		
WR-SS005-01						
	MTL	Aluminum	7080.000	mg/kg		
	MTL	Arsenic	13.100	mg/kg		S
	MTL	Barium	291.000	mg/kg		
	MTL	Cadmium	126.000	mg/kg		
	MTL	Calcium	41800.000	mg/kg		
	MTL	Chromium, Total	4290.000	mg/kg		
	MTL	Cobalt	14.300	mg/kg		K
	MTL	Copper	221.000	mg/kg		
	MTL	Iron	104000.000	mg/kg		
	MTL	Lead	265.000	mg/kg		*
	MTL	Magnesium	6390.000	mg/kg		K
	MTL	Manganese	1270.000	mg/kg		N
	MTL	Mercury	0.100	mg/kg		
	MTL	Nickel	185.000	mg/kg		
	MTL	Potassium	871.000	mg/kg		K
	MTL	Silver	13.800	mg/kg	J	KN
	MTL	Sodium	4400.000	mg/kg		K
	MTL	Vanadium	122.000	mg/kg		
	MTL	Zinc	62800.000	mg/kg	J	E
	MTL	Cyanide, Total	1920.000	mg/kg		
	P/PCB	AROCLOR-1248	2400.000	ug/kg		
	SVOC	Pyrene	1400.000	ug/kg		J
	SVOC	bis(2-Ethylhexyl)phthalate	16000.000	ug/kg		J
	TBNA	Unknown	12000.000	ug/kg		J
	TBNA	Pentadecane, 2,6,10,14-Tetramethyl-	11000.000	ug/kg		J
	TVOA	Unknown	96.000	ug/kg	J	
	TVOA	Butane, 2,2,3,3-tetramethyl-	8.000	ug/kg	J	
	VOC	Total 1,2-Dichloroethene	19.000	ug/kg		
	VOC	Chloroform	9.000	ug/kg		
	VOC	Trichloroethene	6.000	ug/kg		J
WR-SS006-01						
	MTL	Aluminum	1900.000	mg/kg		
	MTL	Arsenic	4.900	mg/kg		S
	MTL	Barium	20.000	mg/kg		K
	MTL	Beryllium	0.220	mg/kg		K
	MTL	Cadmium	5.800	mg/kg		
	MTL	Calcium	146000.000	mg/kg		

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	MTL	Chromium, Total	12.500	mg/kg		
	MTL	Cobalt	1.300	mg/kg		K
	MTL	Copper	23.500	mg/kg		
	MTL	Iron	4920.000	mg/kg		
	MTL	Lead	64.600	mg/kg		*
	MTL	Magnesium	90800.000	mg/kg		
	MTL	Manganese	131.000	mg/kg		N
	MTL	Nickel	7.100	mg/kg		K
	MTL	Potassium	568.000	mg/kg		K
	MTL	Vanadium	6.700	mg/kg		K
	MTL	Zinc	95.300	mg/kg	J	E
	MTL	Cyanide, Total	30.400	mg/kg		
	P/PCB	Gamma-Chlordane	420.000	ug/kg		G
	SVOC	2-Methylnaphthalene	21000.000	ug/kg		J
	SVOC	Phenanthrene	23000.000	ug/kg		
	SVOC	bis(2-Ethylhexyl)phthalate	6600.000	ug/kg		J
	TBNA	Unknown	150000.000	ug/kg		J
	TBNA	Unknown	330000.000	ug/kg		J
	TBNA	Unknown Alkane	190000.000	ug/kg		J
	TBNA	Unknown Alkane	250000.000	ug/kg		J
	TBNA	Unknown Alkane	260000.000	ug/kg		J
	TBNA	Tridecane	150000.000	ug/kg		J
	TBNA	Tetradecane	280000.000	ug/kg		J
	TBNA	Pentadecane	430000.000	ug/kg		J
	TBNA	Heptadecane	420000.000	ug/kg		J
	TBNA	Octadecane	280000.000	ug/kg		J
	TBNA	Nonadecane	260000.000	ug/kg		J
	TBNA	Undecane, 6,6-dimethyl-	58000.000	ug/kg		J
	TBNA	Hexadecane, 2,6,10-trimethyl-	320000.000	ug/kg		J
	TBNA	Nonane, 2-methyl-5-propyl-	65000.000	ug/kg		J
	TBNA	Naphthalene, 1,5-dimethyl-	72000.000	ug/kg		J
	TBNA	Naphthalene, 1,8-dimethyl-	190000.000	ug/kg		J
	TBNA	Naphthalene, isomer of trimethyl-	57000.000	ug/kg		J
	TBNA	Naphthalene, isomer of trimethyl-	65000.000	ug/kg		J
	TBNA	Naphthalene, 2,3,6-trimethyl-	86000.000	ug/kg		J
	TBNA	Pentadecane, 2-methyl-	61000.000	ug/kg		J
	TVOA	Unknown	51.000	ug/kg	J	
	TVOA	Unknown	71.000	ug/kg	J	
	TVOA	Unknown	73.000	ug/kg	J	
	TVOA	Unknown	170.000	ug/kg	J	
	TVOA	Unknown	54.000	ug/kg	J	
	TVOA	Unknown	50.000	ug/kg	J	

WARZYN

PROJECT NUMBER: 60128.04
PROJECT NAME: Wayne Reclamation

MATRIX: Surface Soil

SAMPLE ID	ANAL. TYPE	COMPOUND	CONC.	UNITS	DVQ	LQ
	TVOA	Pentane, 2,2,3,4-tetramethyl-	98.000	ug/kg	J	
	TVOA	Benzene, 1-methylpropyl-	280.000	ug/kg	J	
	TVOA	Benzene, 1-ethyl-2-methyl-	830.000	ug/kg	J	
	VOC	Benzene	3.000	ug/kg		J
	VOC	Toluene	72.000	ug/kg		B
	VOC	Ethylbenzene	45.000	ug/kg		
	VOC	Total Xylenes	310.000	ug/kg		

WARZYN

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FIELD pH AND CONDUCTIVITY RESULTS

ROUND ONE SAMPLING (Phase I)

Sample Location	Date - Time	pH	Specific Conductivity (umHos)	Temp (C)
MW-1S	3/15/88 - 1245	6.87	1090	12.0
MW-2S	" - 1530	7.04	810	12.0
MW-2S(dup)	" - 1550	7.00	810	12.0
MW-3S	3/16/88 - 1540	7.15	780	10.0
MW-4S	3/14/88 - 1730	6.82	880	10.5
MW-5S	" - 1430	7.22	550	9.0
MW-6S	3/15/88 - 0950	7.20	700	10.0
MW-7S	3/14/88 - 1600	6.92	1090	11.0
MW-7S(dup)	" - 1630	7.10	1100	11.0
MW-8S	3/16/88 - 1230	6.85	890	13.5
MW-9S	" - 0955	6.71	1160	10.0
MW-10S	" - 1320	7.01	860	10.5
MW-11S	3/15/88 - 1730	7.13	810	11.0
MW-12S	NA -			

ROUND TWO SAMPLING (Phase II)

Sample Location	Date - Time	pH	Specific Conductivity (umHos)	Temp (C)
MW-1S	8/31/88 - 1140	6.83	1450	14.8
MW-1S(dup)	" - 1145	6.87	1350	17.9
MW-2S	" - 1630	6.84	1005	16.0
MW-3S	9/12/88 - 1605	7.60	580	17.1
MW-4S	9/1/88 - 1830	6.65	1100	17.0
MW-5S	8/30/88 - 1700	7.19	650	15.6
MW-6S	8/31/88 - 1020	7.11	1000	16.5
MW-7S	9/12/88 - 1515	7.61	1250	15.3
MW-7S(dup)	NA -			
MW-8S	8/30/88 - 1430	6.73	1000	17.1
MW-9S	9/12/88 - 1750	7.32	1200	16.8
MW-10S	9/2/88 - 1050	6.71	1080	17.3
MW-11S	8/31/88 - 1445	6.76	925	14.8
MW-12S	9/1/88 - 0850	7.15	1025	14.3

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ROUND ONE SAMPLING (Phase I)

Sample Location	Date - Time	pH	Specific Conductivity (umHos)	Temp (C)
MW-13S	NA -			
MW-14S	NA -			
MW-1I	NA -			
MW-1D	NA -			
MW-8D	NA -			
MW-13D	NA -			
MW-83A(s)	3/15/88 - 1750	8.06	560	13.0
MW-83A(d)	NA -			
MW-83B	NA -			
MW-83D	3/17/88 - 0945	11.63	325	11.0
MW-83E	3/16/88 - 1155	7.06	900	13.0
PH	3/18/88 - 1540	7.85	385	11.5
Well #7	NA -			
Well #8	NA -			

ROUND TWO SAMPLING (Phase II)

Sample Location	Date - Time	pH	Specific Conductivity (umHos)	Temp (C)
MW-13S	8/31/88 - 0900	6.99	1010	12.6
MW-14S	9/1/88 - 0930	6.83	1100	15.3
MW-1I	8/31/88 - 1130	7.00	1075	14.8
MW-1D	" - 1000	7.45	550	13.8
MW-8D	8/30/88 - 1500	7.40	700	14.6
MW-13D	" - 1800	7.70	550	15.9
MW-83A(s)	9/1/88 - 1835	8.32	550	17.2
MW-83A(d)	NA -			
MW-83B	NA -			
MW-83D	9/2/88 - 0830	11.21	300	12.3
MW-83E	9/1/88 - 1415	6.93	1250	18.2
PH	" - 1545	7.56	395	12.7
Well #7	9/12/88 - 1510		510	
Well #8	" - 1530		600	

WARZYN

ROUND ONE SAMPLING (Phase I)

Sample Location	Date	-	Time	pH	Specific Conductivity (umHos)	Temp (C)
PW-01	NA	-				
PW-02	NA	-				
FB-01		-				
FB-02		-				
SW-1	3/18/88	-	1805	7.83	400	7.0
SW-2	"	-	1730	7.96	410	8.0
SW-3	"	-	1630	8.15	400	8.0
SW-4	"	-	1410	7.86	395	6.0
SW-5	"	-	1050	7.77	390	5.0
SW-5(dup)	"	-	1055	7.76	380	5.5
SW-6	"	-	0945	7.59	395	8.0
SW-7	"	-	0845	7.37	370	6.0
SW-8	3/17/88	-	1230	7.61	320	8.0
SW-9	"	-	1025	7.74	1320	9.0

ROUND TWO SAMPLING (Phase II)

Sample Location	Date	-	Time	pH	Specific Conductivity (umHos)	Temp (C)
PW-01	"	-	1330		690	
PW-02	"	-	1500		800	
FB-01	8/31/88	-	1430	6.45	4	23.0
FB-02	9/1/88	-	1150	5.72	5	21.7
SW-1	NA	-				
SW-2	NA	-				
SW-3	NA	-				
SW-4	NA	-				
SW-5	NA	-				
SW-5(dup)	NA	-				
SW-6	NA	-				
SW-7	NA	-				
SW-8	NA	-				
SW-9	NA	-				

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ROUND ONE SAMPLING (Phase I)

Sample Location	Date - Time	pH	Specific Conductivity (umHos)	Temp (C)
SW-10	" - 1010	7.45	725	10.0
SW-11	" - 1130	8.65	320	7.0
SW-11(dup)	" - 1140	8.88	330	6.5
SW-12	" - 1100	7.29	590	7.0
SW-13	" - 1345	8.07	350	9.5

ROUND TWO SAMPLING (Phase II)

Sample Location	Date - Time	pH	Specific Conductivity (umHos)	Temp (C)
SW-10	NA -			
SW-11	NA -			
SW-11(dup)	NA -			
SW-12	NA -			
SW-13	NA -			

NOTES:

dup - Duplicate Sample.
NA - Information not available, not sampled, or not existing at that time.
(a) - Columbia City Municipal Well.
(b) - Private Residential Well.
(c) - Field Blank.

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ELEVATED DETECTION LIMITS

PHASE I INORGANIC RESULTS
WITH ELEVATED DETECTION LIMITS

Sample ID	Compound(s)	Dilution Factor
SOIL BORING SAMPLES:		
WR-SB006-10	Selenium	10
WR-SB007-02	Selenium	10
WR-SB009-06	Selenium	10
WR-SB010-06	Arsenic and Selenium	10
WR-SB010-10	Selenium and Thallium	10
WR-SB010-10DUP	Selenium	10
WR-SB011-02	Selenium	10
WR-SB011-06	Selenium	10
WR-SB011-10	Arsenic and Selenium	10
WR-SB012-02	Selenium	10
WR-SB012-06	Selenium	10
WR-SB012-06DUP	Selenium	10
WR-SB014-06DUP	Selenium	10
WR-SB014-10	Selenium	10
WR-SB015-02	Selenium	10
WR-SB015-06	Selenium	10
WR-SB016-02	Selenium	10
WR-SB016-06	Selenium	10
WR-SB018-02	Selenium	10
WR-SB018-06	Selenium	10
WR-SB022-10	Selenium	10
WR-SB023-10	Selenium	10
SURFACE SOIL SAMPLES:		
WR-SS005-01	All ICP Metals	5
WR-SS006-01	Selenium and Thallium	10
RIVER SEDIMENT SAMPLES:		
WR-SD011-01	Selenium	10
WR-SD011-91	Selenium	10
WR-SD012-01	Selenium	10
WR-SD013-01	Lead	10
WR-SD04R-01	Selenium	10
SURFACE WATER SAMPLES:		
WR-FB004-01	Mercury	2
WR-SW012-01	Selenium	10

NOTE: THERE WERE NO GROUNDWATER METALS RESULTS REPORTED WITH ELEVATED DETECTION LIMITS. IN ADDITION, THERE WERE NO INDICATOR PARAMETER OR CYANIDE RESULTS REPORTED WITH ELEVATED DETECTION LIMITS WHICH WERE NOT QUANTIFIED ABOVE THAT LIMIT FOR ANY OF THE SAMPLE MATRICES.

PHASE I ORGANIC RESULTS
WITH ELEVATED DETECTION LIMITS

Sample ID	Analysis Type(s)	Dilution Factor
SOIL BORING SAMPLES:		
WR-SB005-02	Volatiles	2
	Pesticides/PCBs	2
WR-SB005-02DUP	Pesticides/PCBs	2
WR-SB007-02	Volatiles	5
WR-SB007-06	Volatiles	125
	Pesticides/PCBs	10
WR-SB007-10	Volatiles	312
WR-SB008-02	Volatiles	3.33
	Pesticides/PCBs	10
WR-SB008-10	Volatiles	2.5
WR-SB009-06	Volatiles	2.5
WR-SB010-10	Volatiles	125
WR-SB010-10DUP	Volatiles	125
WR-SB011-06	Volatiles	5
WR-SB011-10	Volatiles	5
WR-SB012-02	Volatiles	2.5
	Pesticides/PCBs	2
WR-SB012-06	Volatiles	125
	Pesticides/PCBs	2
WR-SB012-06DUP	Volatiles	125
WR-SB012-10	Volatiles	500
WR-SB013-02	Volatiles	5
WR-SB014-06	Volatiles	2.5
WR-SB015-02	Volatiles	2
WR-SB015-06	Volatiles	1.25
WR-SB016-06	Volatiles	1.67

PHASE I ORGANIC RESULTS
WITH ELEVATED DETECTION LIMITS

Sample ID	Analysis Type(s)	Dilution Factor
WR-SB016-10	Volatiles	5
WR-SB017-02	Volatiles	1.25
WR-SB017-10	Volatiles	2
WR-SB017-10DUP	Volatiles	5
WR-SB018-02	Semi-volatiles Pesticides/PCBs	10 20
WR-SB019-06	Pesticides/PCBs	5
WR-SB019-10	Semi-volatiles	20
WR-SB020-02	Pesticides/PCBs	5
WR-SB021-06	Volatiles	500
WR-SB022-06	Volatiles	5
WR-SB026-06	Volatiles	125
SURFACE SOIL SAMPLES:		
WR-SS003-01	Pesticides/PCBs	5
WR-SS004-01	Pesticides/PCBs	4
WR-SS004-91	Pesticides/PCBs	4
WR-SS006-01	Volatiles	2.5
RIVER SEDIMENT SAMPLES:		
WR-SD003-01	Volatiles	5
WR-SD012-01	Volatiles	5
SURFACE WATER SAMPLES:		
WR-SW012-01	Volatiles	10
GROUNDWATER SAMPLES:		
WR-FB001-01	Volatiles	1.67

PHASE I ORGANIC RESULTS
WITH ELEVATED DETECTION LIMITS

Sample ID	Analysis Type(s)	Dilution Factor
WR-GW03S-01	Volatiles	166.7
WR-GW07S-01	Volatiles	22.2
WR-GW07S-91	Volatiles	25
WR-GW09S-01	Volatiles	250
WR-GW10S-01	Volatiles	333.3
WR-GW83B-01	Volatiles	1.67

PHASE II INORGANIC RESULTS
WITH ELEVATED DETECTION LIMITS

Sample ID	Compound(s)	Dilution Factor
SOIL BORING SAMPLES:		
WR-SB017A-05	All ICP Metals	2
	Selenium	10
WR-SB017A-10	All ICP Metals	2
	Selenium	10
WR-SB017A-10DUP	Selenium	10
GROUNDWATER SAMPLES:		
WR-GW01S-02	Selenium	10
WR-GW01S-92	Selenium	10
WR-GW08S-02	Cyanide	10
WR-GW13D-01	Cyanide	2

NOTE: THERE WERE NO INDICATOR PARAMETER RESULTS REPORTED WITH ELEVATED DETECTION LIMITS.

PHASE II ORGANIC RESULTS
WITH ELEVATED DETECTION LIMITS

Sample ID	Analysis Type(s)	Dilution Factor
SOIL BORING SAMPLES:		
WR-SB018A-05	Semi-volatiles	4
WR-SB033-10	Volatiles	3.3
GROUNDWATER SAMPLES:		
WR-FB005-02	Semi-volatiles	1.9
WR-GW03S-02	Semi-volatiles	1.9
WR-GW07S-02	Semi-volatiles	1.9
WR-GW09S-02	Semi-volatiles	2.0
WR-GW09S-92	Volatiles	5
	Semi-volatiles	2.0
WR-GW83A(D)-02	Volatiles	5
	Semi-volatiles	1.4
WR-GW83A(D)-03	Volatiles	2.1
WR-GW83B-02	Volatiles	16.7
WR-MW01-01	Semi-volatiles	2.0
WR-MW02-01	Semi-volatiles	2.0
WR-MW02-91	Semi-volatiles	2.1
WR-PW02-01	Semi-volatiles	1.9

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UNUSABLE DATA

PHASE I INORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result (mg/kg)	LQ
SOIL BORING SAMPLES:					
WR-SB001-02	80206023	Aluminum	R	7090	*
		Antimony	R	0.6	U+
		Sodium	R	600	U
WR-SB001-06	80206024	Aluminum	R	6890	*
		Antimony	R	0.6	U
		Selenium	R	1.5	UN*
		Sodium	R	570	U
WR-SB001-10	80206025	Aluminum	R	3950	*
		Antimony	R	0.6	U
		Selenium	R	1.5	UN*
		Sodium	R	570	U
WR-SB002-02	80206026	Aluminum	R	4430	*
		Antimony	R	0.6	U
		Selenium	R	1.5	UN*+
		Sodium	R	590	U
WR-SB002-06	80206019	Aluminum	R	5540	*
		Antimony	R	0.6	U
		Sodium	R	590	U
WR-SB002-10	80206020	Aluminum	R	5250	*
		Antimony	R	0.6	U
		Selenium	R	1.4	U*N+
		Sodium	R	560	U
WR-SB003-02	80206028	Aluminum	R	3110	*
		Antimony	R	0.6	U
		Sodium	R	550	U
WR-SB003-06	80206029	Aluminum	R	3640	*
		Antimony	R	0.6	U
		Sodium	R	530	U
WR-SB003-06DUP	80206215	Aluminum	R	3330	*
		Antimony	R	0.6	U
		Sodium	R	530	U
WR-SB003-10	80206032	Aluminum	R	3060	*
		Antimony	R	0.6	U
		Selenium	R	1.4	UN*+
		Sodium	R	550	U
WR-SB003-10DUP	80206033	Aluminum	R	3330	*

PHASE I INORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result (mg/kg)	LQ
		Antimony	R	0.6	U
		Selenium	R	1.4	UN*+
		Sodium	R	550	U
WR-SB004-02	80205605	Aluminum	R	8410	*
		Antimony	R	0.6	U
		Selenium	R	1.5	U
		Sodium	R	580	U
WR-SB004-06	80205606	Aluminum	R	4900	*
		Antimony	R	0.6	U
		Selenium	R	1.4	U
		Sodium	R	570	U
WR-SB010-02	21396	Arsenic	R	10.3	MN
		Manganese	R	1250	N
WR-SB010-06	21397	Arsenic	R	4.3	UN
		Manganese	R	117	N
WR-SB010-10	21398	Arsenic	R	9.5	N+
		Manganese	R	345	N
WR-SB010-10DUP	21399	Arsenic	R	11.4	SN
		Manganese	R	263	N
WR-SB011-02	21386	Arsenic	R	51.6	N+
		Manganese	R	3110	N
WR-SB011-06	21387	Arsenic	R	11.6	SN
		Manganese	R	278	N
WR-SB011-10	21388	Arsenic	R	4.2	UN
		Manganese	R	369	N
WR-SB012-02	21389	Arsenic	R	7.8	WN
		Manganese	R	483	N
WR-SB012-06	21393	Arsenic	R	30.2	N+
		Manganese	R	204	N
WR-SB012-06DUP	21394	Arsenic	R	17.9	N+
		Manganese	R	133	N
WR-SB012-10	21395	Arsenic	R	17.6	N
		Manganese	R	276	N
WR-SB014-06DUP	21414	Arsenic	R	8.2	WN

PHASE I INORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result (mg/kg)	LQ
		Manganese	R	430	N
WR-SB014-10	21415	Arsenic	R	25.4	N+
		Manganese	R	463	N
WR-SB015-02	21418	Arsenic	R	11.0	WN
		Manganese	R	497	N
WR-SB015-06	21419	Arsenic	R	14.2	SN
		Manganese	R	62.3	N
WR-SB016-02	21390	Arsenic	R	66.7	SN
		Manganese	R	1550	N
WR-SB016-06	21391	Arsenic	R	6.6	N
		Manganese	R	261	N
WR-SB016-10	21392	Arsenic	R	10.5	N+
		Manganese	R	185	N
WR-SB017-02	80206206	Aluminum	R	8840	*
		Antimony	R	0.6	U
		Sodium	R	580	U
WR-SB017-06	80206207	Aluminum	R	14900	*
		Antimony	R	7.3	
		Sodium	R	1490	
WR-SB017-10	80206208	Aluminum	R	3190	*
		Antimony	R	0.6	U
		Selenium	R	1.4	U
		Sodium	R	533	U
WR-SB017-10DUP	80206209	Aluminum	R	3520	*
		Antimony	R	0.6	U
		Selenium	R	1.4	U+
		Sodium	R	553	U
WR-SB018-02	21416	Arsenic	R	23.6	N+
		Manganese	R	606	N
WR-SB018-06	21417	Arsenic	R	61.0	N+
		Manganese	R	1250	N
WR-SB019-02	80206021	Aluminum	R	6730	*
		Antimony	R	0.6	U
		Sodium	R	600	U

PHASE I INORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result (mg/kg)	LQ
WR-SB019-06	80206022	Aluminum	R	10700	*
		Antimony	R	0.6	U
		Sodium	R	560	U
WR-SB019-10	80206027	Aluminum	R	6620	*
		Antimony	R	0.6	U
		Selenium	R	1.5	UN*+
		Sodium	R	570	U
WR-SB020-02	80206204	Aluminum	R	5590	*
		Antimony	R	0.6	
		Selenium	R	1.5	U+
		Sodium	R	574	U
WR-SB020-06	80206205	Aluminum	R	8240	*
		Antimony	R	0.6	U
		Selenium	R	1.5	U+
		Sodium	R	578	U
WR-SB020-10	80206210	Aluminum	R	7620	*
		Antimony	R	0.7	U
		Selenium	R	1.6	U+
		Sodium	R	608	U
WR-SB021-02	80206202	Aluminum	R	5540	*
		Antimony	R	0.6	U
		Selenium	R	1.5	U+
		Sodium	R	592	U
WR-SB021-06	80206203	Aluminum	R	2660	*
		Antimony	R	0.6	U
		Selenium	R	1.4	U+
		Sodium	R	536	U
WR-SB025-02	80205602	Aluminum	R	10100	*
		Antimony	R	0.7	U+
		Sodium	R	630	U
WR-SB025-06	80205603	Aluminum	R	6880	*
		Antimony	R	0.6	U
		Sodium	R	580	U
WR-SB025-10	80205604	Aluminum	R	6650	*
		Antimony	R	0.6	U
		Sodium	R	600	U

RIVER SEDIMENT SAMPLES:

PHASE I INORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result (mg/kg)	LC
WR-SD013-01	21999	Arsenic	R	13.2	N*+
		Lead	R	3.9	UW*

NOTE: THERE WERE NO UNUSABLE METALS RESULTS REPORTED FOR GROUNDWATER, SURFACE WATER, OR SURFACE SOIL SAMPLES. IN ADDITION, THERE WERE NO UNUSABLE RESULTS REPORTED FOR INDICATOR PARAMETERS OR CYANIDE IN ANY OF THE SAMPLE MATRICES.

PHASE I ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	LQ
SOIL BORING SAMPLES (Results in ug/kg):					
WR-SB012-02	80206331	Aroclor 1254	R	410	U
		Methoxychlor	R	200	U
WR-SB012-06	80206335	2 - Butanone	R	1600	U
WR-SB012-10	80206337	2 - Butanone	R	5400	U
WR-SB019-10	80206027	4,4 - DDT	R	18	U
		Aroclor 1232	R	91	U
		Aroclor 1242	R	91	U
WR-SB021-06	80206203	2 - Butanone	R	5400	U
WR-SB026-06	80300337	2 - Butanone	R	1600	U
SURFACE SOIL SAMPLES (Results in ug/kg):					
WR-SS003-01	80304101	Aroclor 1232	R	580	U
		Aroclor 1242	R	580	U
WR-SS004-01	80304102	Aroclor 1232	R	420	U
		Aroclor 1242	R	420	U
WR-SS004-91	80304103	Aroclor 1232	R	410	U
		Aroclor 1242	R	410	U
WR-SS005-01	80304104	Aroclor 1232	R	1700	U
		Aroclor 1242	R	1700	U
GROUNDWATER SAMPLES (Results in ug/l):					
WR-FB003-01	80303812	2 - Butanone	R	10	U
		Carbon Tetrachloride	R	5	U
WR-FB004-01	80303843	2 - Butanone	R	10	U
WR-GW01S-01	80303385	2 - Butanone	R	10	U
WR-GW02S-01	80303389	2 - Butanone	R	10	U
WR-GW02S-91	80303390	2 - Butanone	R	10	U
WR-GW03S-01	80303578	2 - Butanone	R	1700	U
WR-GW04S-01	80303118	2 - Butanone	R	10	U

PHASE I ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	LQ
WR-GW05S-01	80303115	2 - Butanone	R	10	U
WR-GW06S-01	80303388	2 - Butanone	R	10	U
WR-GW07S-01	80303116	2 - Butanone	R	220	U
WR-GW07S-91	80303117	2 - Butanone	R	250	U
WR-GW08S-01	80303576	2 - Butanone	R	10	U
WR-GW09S-01	80303580	2 - Butanone	R	2500	U
WR-GW10S-01	80303572	2 - Butanone	R	3300	U
WR-GW11S-01	80303391	2 - Butanone	R	10	U
WR-GW83A(S)-01	80303386	2 - Butanone	R	10	U
WR-GW83D-01	80303808	2 - Butanone	R	10	U
		Carbon Tetrachloride	R	5	U
WR-GWOPH-01	80303839	2 - Butanone	R	10	U
SURFACE WATER SAMPLES (Results in ug/l):					
WR-SW001-01	80303842	2 - Butanone	R	10	U
WR-SW002-01	80303841	2 - Butanone	R	10	U
WR-SW004-01	80303848	2 - Butanone	R	10	U
WR-SW005-01	80303847	2 - Butanone	R	10	U
WR-SW005-91	80303828	2 - Butanone	R	10	U
WR-SW006-01	80303846	2 - Butanone	R	10	U
WR-SW007-01	80303845	2 - Butanone	R	10	U
WR-SW008-01	80303820	2 - Butanone	R	10	U
WR-SW009-01	80303809	2 - Butanone	R	10	U
WR-SW010-01	80303813	2 - Butanone	R	10	U
		Carbon Tetrachloride	R	5	U
WR-SW011-01	80303818	2 - Butanone	R	10	U

PHASE I ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	LQ
WR-SW011-91	80303819	2 - Butanone	R	10	U
WR-SW012-01	80303810	2 - Butanone	R	100	U
WR-SW013-01	80303811	2 - Butanone	R	10	U
		Carbon Tetrachloride	R	5	U
WR-TB001-01	80303387	2 - Butanone	R	10	U
WR-TB002-01	80303579	2 - Butanone	R	10	U
WR-TB003-01	80303817	2 - Butanone	R	10	U
WR-TB004-01	80303844	2 - Butanone	R	10	U

NOTE: THERE WERE NO UNUSABLE ORGANIC RESULTS REPORTED FOR RIVER SEDIMENT SAMPLES.

PHASE II INORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result (mg/kg)	LQ
SOIL BORING SAMPLES:					
WR-SB017A-05	596391	Selenium	R	2.4	U
WR-SB017A-10	596392	Selenium	R	2.6	U
WR-SB017A-10DUP	596393	Selenium	R	2.6	U

NOTE: THERE WERE NO UNUSABLE INORGANIC RESULTS REPORTED FOR GROUNDWATER SAMPLES.

PHASE II ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	LQ
SOIL BORING SAMPLES (Results in ug/kg):					
WR-SB002E-05	210937	2 - Butanone	R	11	U
WR-SB002E-10	210941	2 - Butanone	R	11	U
WR-SB002S-05	210942	2 - Butanone	R	11	U
WR-SB002S-10	210943	2 - Butanone	R	11	U
WR-SB002W-05	210944	2 - Butanone	R	11	U
WR-SB002W-10	210945	2 - Butanone	R	12	U
WR-SB007E-05	210948	2 - Butanone	R	12	U
WR-SB007E-10	210949	2 - Butanone	R	11	U
WR-SB007N-05	210950	2 - Butanone	R	13	U
WR-SB007N-10	210951	2 - Butanone	R	12	U
WR-SB007W-05	210946	2 - Butanone	R	11	U
WR-SB007W-10	210947	2 - Butanone	R	11	U
WR-SB018A-05	211005	2 - Butanone	R	13	U
WR-SB018A-10	211012	2 - Butanone	R	12	U
WR-SB027-05	210952	2 - Butanone	R	11	U
WR-SB027-05DUP	210955	2 - Butanone	R	11	U
WR-SB027-10	210953	2 - Butanone	R	11	U
WR-SB027-10DUP	210954	2 - Butanone	R	11	U
WR-SB028-05	210956	2 - Butanone	R	11	U
WR-SB028-10	210957	2 - Butanone	R	11	U
WR-SB029-05	210958	2 - Butanone	R	11	U
WR-SB029-10	210959	2 - Butanone	R	11	U
WR-SB030-05	210960	2 - Butanone	R	11	U
WR-SB030-10	210964	2 - Butanone	R	11	U

PHASE II ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	LQ
WR-SB031-05	210969	2 - Butanone	R	10	U
WR-SB031-10	210973	2 - Butanone	R	10	U
WR-SB032-05	210981	2 - Butanone	R	11	U
WR-SB032-10	210982	2 - Butanone	R	11	U
WR-SB033-05	210983	2 - Butanone	R	11	U
WR-SB033-10	210984	2 - Butanone	R	4600	U
WR-SB034-05	210985	2 - Butanone	R	11	U
WR-SB034-10	210986	2 - Butanone	R	11	U
WR-SB035-05	210987	2 - Butanone	R	11	U
WR-SB035-10	210988	2 - Butanone	R	15	U
WR-SB036-05	210990	2 - Butanone	R	12	U
WR-SB036-10	210991	2 - Butanone	R	11	U
WR-SB037-05	210993	2 - Butanone	R	11	U
WR-SB037-10	210994	2 - Butanone	R	11	U
WR-SB038-05	210995	2 - Butanone	R	10	U
WR-SB038-10	210996	2 - Butanone	R	10	U
GROUNDWATER SAMPLES (Results in ug/l):					
WR-FB001-02	80900345	2 - Butanone	R	10	U
WR-FB002-02	80900412	2 - Butanone	R	10	U
WR-FB003-02	80903628	Acetone	R	340	
WR-FB004-02	80907562	2 - Butanone	R	5.0	U
WR-GW01D-01	80900342	2 - Butanone	R	10	U
WR-GW01I-01	80900347	2 - Butanone	R	10	U
WR-[illegible] 1S-02	80900348	2 - Butanone	R	10	U

PHASE II ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	LQ
WR-GW01S-92	80900349	2 - Butanone	R	10	U
WR-GW02S-02	80900343	2 - Butanone	R	10	U
WR-GW05S-02	80806082	2 - Butanone	R	10	U
WR-GW06S-02	80900346	2 - Butanone	R	10	U
		Acetone	R	260	B
WR-GW08D-01	80806081	2 - Butanone	R	10	U
WR-GW08S-02	80806079	2 - Butanone	R	10	U
WR-GW10S-02	80901138	2 - Butanone	R	15	
WR-GW11S-02	80900344	2 - Butanone	R	10	U
WR-GW12S-01	80900408	2 - Butanone	R	10	U
WR-GW13D-01	80806080	2 - Butanone	R	10	U
WR-GW13S-01	80900341	2 - Butanone	R	10	U
WR-GW14S-01	80900409	2 - Butanone	R	10	U
WR-GW83A(D)-02	80903629	2 - Butanone	R	87	
WR-GW83A(S)-02	80900623	2 - Butanone	R	10	U
WR-GW83B-02	80900627	2 - Butanone	R	170	U
WR-GW83D-02	80901137	2 - Butanone	R	9	J
WR-MW01-01	80903705	1,2-Dichloroethene	R	66	E
		Vinyl Chloride	R	8.1	
WR-MW01-02	81008504	2 - Hexanone	R	0.76	U
WR-MW02-01	80903706	1,2-Dichloroethene	R	280	E
		Trichloroethene	R	240	E
		Vinyl Chloride	R	3.6	
WR-MW02-02	81008507	2 - Butanone	R	1.0	U
		2 - Hexanone	R	0.76	U
WR-MW02-91	80903707	1,2-Dichloroethene	R	1.7	
		Trichloroethene	R	0.41	
WR-MW02-92	81008508	2 - Butanone	R	1.0	U

PHASE II ORGANIC RESULTS DETERMINED UNUSABLE
BY DATA VALIDATION PROCEDURES

Sample ID	Lab Number	Compound	DVQ	Result	Lab
		2 - Hexanone	R	0.76	U
WR-PW01-02	80907559	1,1,1-Trichloroethane	R	0.16	
		2 - Butanone	R	5.0	U
WR-PW02-01	80903704	1,2-Dichloroethene	R	17	
WR-TB001-02	80806083	2 - Butanone	R	10	U
WR-TB002-02	80900350	2 - Butanone	R	10	U
WR-TB003-02	80900413	2 - Butanone	R	10	U
WR-TB004-02	80901139	1,2-Dichloroethene	R	44	
		2 - Butanone	R	10	U
		Toluene	R	7	
WR-TB006-02	80903708	1,2-Dichloroethene	R	0.56	J
		Trichloroethene	R	0.71	
WR-TB007-02	80907536	2 - Butanone	R	5.0	U

APPENDIX K

TOXICITY PROFILES

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APPENDIX K
TOXICITY PROFILES

1.0 Trichloroethylene (TCE)

1.1 Acute exposure effects - short-term inhalation of TCE at elevated concentrations can result in depression of the central nervous system and is characterized by headache, fatigue and dulling of the senses, as well as nausea, vomiting and burning eyes. TCE is also a mild skin irritant and sensitizer; it can cause rash and blistering if present on the skin for any substantial length of time.

1.2 Subchronic exposure effects - chronic effects in workers exposed to TCE vapors for 1-5 years included headache, dizziness, sleepiness, nausea, vomiting and conjunctivitis. TCE exposure has not been linked with increased mortality in humans.

1.3 Cancer potential - a significant excess of cancer of the urogenital tract was observed in a cohort of Swedish workers. An increase in hematolymphatic malignancies also was detected. There is evidence that TCE causes liver cancer in some strains of mice, induces adenoma of the lung in mice, and causes renal tubule cancer in rats.

1.4 Other - TCE readily crosses the placental barrier in humans and has been found in fetal blood in women given TCE as an anesthetic. Prenatally-exposed rats showed delayed ossification of the sternum, indicating environmental impairment. Post-natal weight gain was also reduced. No major malformations, embryotoxicity or maternal toxicity were reported. In studies with yeast, the authors concluded that TCE induced both mutations and base substitutions in the DNA.

2.0 Toluene

2.1 Acute exposure effects - the main health hazards to humans acutely exposed to toluene are narcosis and neurotoxicity. Single, short-term exposure to vapors at low doses results in fatigue and mild headaches, while a high dose exposure produces gross impairment of reaction time and coordination, narcosis and death.

2.2 Subchronic/chronic exposure effects - chronic abuse of toluene can lead to permanent neurological impairment; e.g., cerebral and cerebellular cuticle atrophy on CT scan. Long-term ingestion and inhalation studies in various animal species resulted in no adverse effects.

2.3 Cancer potential - toluene has been tested for its genetic activity in a number of test systems, with the results generally negative. There are no reports of increased incidence of cancer in humans associated with toluene exposure.

2.4 Other - toluene appears to readily cross the placenta and be teratogenic in mice, rats and rabbits. It exhibits fetotoxicity, causing reduction in body weight, retarded skeletal ossification and minor skeletal anomalies.

3.0 Vinyl Chloride

3.1 Acute exposure effects - The major acute physiological response to vinyl chloride is depression of the central nervous system which occurs at 8,000 to 10,000 ppm in man. Other effects of acute exposure to high concentrations (10% - 20%) which have been reported in animals and patients include cardiac and circulatory disturbances.

3.2 Subchronic/chronic exposure effects - Subchronic/chronic studies in common laboratory species have identified a number of toxic effects of vinyl chloride exposure including: hepatomegaly, decreased adrenal weight, pathology of the kidney, splenomegaly, hematological and biochemical changes in the blood, and hyperplasia of lung epithelium. Other toxic effects attributed to vinyl chloride exposure in humans include scleroderma, acro-osteolysis and Raynaud's syndrome.

3.3 Cancer potential - Vinyl chloride is a human carcinogen, having been identified as the causative agent in hepatic angiosarcomas in industrial workers. Similar cancers have been produced by vinyl chloride administration in animals. In addition, evidence suggests that cancer of other tissues such as the brain, lung and blood may be attributable to vinyl chloride.

3.4 Other - Two studies conducted in rodents indicate that vinyl chloride is not a teratogen, although some fetotoxic effects were observed.

4.0 trans-1,2-Dichloroethene (1,2-DCE)

4.1 Acute exposure effects - Studies with rats indicate a low to moderate toxicity following a single oral administration of t-1,2-DCE. Exposure to t-1,2-DCE by inhalation can produce anesthesia and lung irritation in laboratory animals.

4.2 Subchronic exposure effects - Rats exposed to 200 ppm t-1,2-DCE in the atmosphere for 8 hr/d, 5 d/wk, for 1, 2, 8 and 16 weeks, showed progressive damage to the lungs and fatty change in the liver.

4.3 Cancer potential - No information on the cancer potential of this compound is available.

4.4 Other - Several studies have reported t-1,2-DCE to be non-mutagenic in bacteria. This compound also failed to produce chromosomal aberrations in bone marrow cells of mice following repeated administration.

5.0 bis(2-ethylhexyl)phthalate (DEHP)

5.1 Acute exposure effects - Phthalate esters have a low order of acute toxicity, the principal acute effect from ingestion being mild gastric disturbance.

5.2 Subchronic exposure effects - Workers exposed to DEHP in a German plant (from 4 months to 35 years) had no differences in their blood chemistries or skin when compared to controls. Administration of high doses rates resulted in a decrease in the rate of body weight gain, testicular atrophy and hepatomegaly.

5.3 Cancer potential - Long term DEHP feeding studies conducted by the National Toxicology Program (NTP) using rats and mice showed a statistically significant increase in the combined incidence of hepatocellular carcinomas or neoplastic nodules in the liver compared to controls. Doses ingested were very high (3,000 to 12,000 mg DEHP/kg feed).

5.4 Other - Very high doses of DEHP are embryotoxic, teratogenic and can cause reproductive anomalies in certain animal species. In general, DEHP has given negative results in tests for its effects on chromosomes. Therefore, there is no strong evidence to suggest DEHP is directly genotoxic.

6.0 Polynuclear Aromatic Hydrocarbons (PAH)

6.1 Acute exposure effects - Workers exposed to PAH-containing mixtures have developed chronic dermatitis and hyperkeratosis. Exposure to naphthalene has been associated with ocular toxicity and hemolytic anemia in humans.

6.2 Subchronic exposure effects - Targets of PAHs in the body are rapidly proliferating cells, such as the hematopoietic system, lymphoid system, and testes. This effect appears due to inhibition of DNA replication by the PAHs. Destruction of the sebaceous glands, hyperkeratosis, hyperplasia, and ulceration have been observed in mouse skin following dermal application of the carcinogenic PAHs. Similar types of dermatitis have been observed in workers exposed to such PAH-containing materials as coal tar and mineral oil. Slight morphological changes in the livers and kidneys of rats have been reported following oral administration.

6.3 Cancer potential - A number of the PAHs have been shown to be potent carcinogens, producing tumors both at the site of application and systemically in several different animal species, when administered by any of a number of routes. Treatment-related tumors of the nasal cavity, larynx, trachea and pharynx have been reported in hamsters as gastric tumors, pulmonary adenomas, and leukemias in mice fed benzo(a)pyrene (BAP). Occupational exposure to coal soot, coal tar and pitch, coal tar fumes, and impure mineral oils causes cancer in humans at several sites in the body, including the skin and lungs.

6.4 Other - BAP does not appear to be a teratogen or embryotoxin. There is slight fetotoxicity in mice. BAP is a transplacental carcinogen at several sites when given late in pregnancy. The tumorigenic response can be greater in offspring than in the mother herself. Several PAHs were found to be positive for mutation in bacterial assays and to cause DNA damage, mutation and chromosomal effects in mammalian cells.

7.0 Polychlorinated Biphenyls (PCB)

7.1 Acute exposure toxicity - Two oral exposure incidents (in Japan and Taiwan) have supplied much of the information on acute effects of PCBs on humans. The exposed persons showed dermatological symptoms, eye problems, chronic bronchitis, some neurologic and muscular disorders, and jaundice. Human exposure to PCB has also been shown to suppress the immune system.

7.2 Subchronic toxicity - Workers exposed intermittently to PCB vapors developed chloracne and other dermatologic symptoms. Also reported were hyperpigmentation of skin, eye irritation, respiratory complaints, gastrointestinal symptoms, neurological symptoms and liver damage.

7.3 Chronic exposure effects - Some studies of low level PCB exposure by human populations have demonstrated associations with PCBs and increased blood pressure, various serum lipids, and liver enzyme levels. Additional studies to provide clarification of these relationships is necessary.

7.4 Cancer potential - PCB exposure has resulted in an increased incidence of hepatocellular carcinomas in several studies, using rats and mice. In appropriate circumstances, PCBs enhanced the effects of other carcinogens. No adequate studies have been conducted to judge whether long-term exposure to PCBs causes cancer in humans.

7.5 Other - Babies born to PCB-poisoned mothers are small for the gestational age, have hyperpigmentation, liver malfunction, excessive eye secretions, facila edema, gingival hyperplasia, natal teeth, and calcification of the skull. PCBs are also transferred to offspring via breastmilk. Nursing children of PCB-poisoned women show decayed nails, gingival pigmentation, mottled enamel, and an excess of dental caries. In an extensive study using rhesus monkeys, treated females showed decreased rates of conception, increased fetal death, decreased birth weights, hyperpigmentation and infant mortality.

8.0 Nickel

8.1 Acute exposure effects - Exposure to nickel compounds in occupational settings has been associated with asthma and pneumoconioses (lung disease caused by inhalation of particles). Also reported are irritancy effects of the nasal membranes and epithelial displasia of the nasal mucosa, found in nickel workers exposed to dust.

8.2 Chronic exposure effects - Dermatitis and other dermatological effects are most frequent results of dermal exposure to nickel. Laboratory rats exposed orally to nickel for life experienced only minor effects. In two other studies assessing chronic nickel toxicity by inhalation in animals, severe effects, including death and pathological changes in the respiratory system, were observed.

8.3 Cancer potential - A number of studies provide evidence that nickel refinery workers have an increased risk of nasal and lung cancers. The nickel compounds implicated include: nickel subsulfide, nickel oxide dust, nickel carbonate vapors, and soluble aerosols of nickel sulfate, nickel nitrate and nickel chloride. Rats and guinea pigs, when exposed to nickel (in a variety of forms) by inhalation, developed a significantly higher number of benign and malignant lung tumors (squamous cell carcinomas, fibrosarcomas, and adenocarcinomas) when compared to control subjects.

8.4 Other - Animal studies investigating teratogenicity and reproductive toxicity of nickel are inconclusive. When nickel was administered to pregnant female rats, the incidence of stillborn pups did not exhibit a consistent dose- response relationship. Nickel chloride and nickel carbonate vapor have been shown to induce teratogenesis in rats.

9.0 Chromium

9.1 Acute exposure toxicity - Cr VI compounds are strong oxidizing agents and readily cross cell membranes making them acutely toxic. Contact with Cr VI compounds irritates and corrodes the skin (chrome burns). Hexavalent chromium can also cause allergic contact dermatitis (eczema), primarily in an occupational exposure setting. Additional toxic effects include inflammation of the digestive tract and hepatic and renal tubular necrosis.

9.2 Subchronic toxicity - It is common for inhalation exposure in the workplace to lead to accumulation of Cr VI compounds in the lining of the nose, with resultant perforation of the nasal septum. Rhinitis and pharyngitis have also been reported. Soluble chromates may be absorbed through the lungs to an extent sufficient to cause kidney damage. Insoluble compounds usually either remain in the lungs or are cleared by ciliary action.

9.3 Chronic toxicity - Under normal conditions, food is the most significant source of chromium for man. High-chromium foods include brown sugar, animal fats and butter. In a chronic oral study in which dogs were exposed to potassium chromate in drinking water over a four-year period, no effects were observed with regard to gross and microscopic analysis of major organs for the treatment levels administered. Chronic inhalation studies indicate epithelial necrosis including hyperplasia and atrophy of the pulmonary bronchi and emphysema-like changes and atrophy of the liver and spleen.

9.4 Cancer potential - The U.S. EPA has classified Cr VI as a carcinogen from the inhalation route of exposure only. Numerous studies have been conducted in animals to determine which chromium compounds are carcinogenic. The carcinogenic ability of Cr VI compounds in animals appear to be related to solubility. No evidence has been presented that chromium compounds are carcinogenic when ingested.

10.0 Zinc

10.1 Acute toxicity - Zinc salts of strong mineral acids are astringent, corrosive to skin and irritating to the gastrointestinal tract. Aside from their irritant action, inorganic zinc compounds are relatively nontoxic via the oral route. The main occupational toxicity problem associated with exposure to zinc is metal fume fever.

10.2 Subchronic toxicity - Toxicity has been produced from foods stored in galvanized containers. Symptoms include diarrhea, abdominal cramping, nausea and vomiting. Zinc has clinical applications for wound healing including healing of ulcers without evidence of toxicity. Numerous studies can be found in the literature with regard to subchronic animal exposure to zinc.

10.3 Chronic toxicity - Zinc is an essential element that is involved in enzyme functions, protein synthesis and carbohydrate metabolism. Zinc in excess of 0.25 percent in the diet of rats causes growth retardation, anemia and defective mineralization of bone.

10.4 Other - Laboratory studies suggest that although zinc-deficient animals may be more susceptible to chemical induction of cancer, tumor growth is slower in these animals. There is no evidence to suggest zinc-deficiency has an etiological role in human cancer. There is also no evidence that zinc is mutagenic or teratogenic in humans or animals.

11.0 Cadmium

11.1 Acute toxicity - Cadmium is considered a strong emetic. 14.5 mg of cadmium taken orally by man has caused nausea and vomiting, but as much as 326 mg was not fatal. Ingestion of cadmium salts induces salivation, choking, vomiting, abdominal pains, diarrhea, vertigo and loss of consciousness.

11.2 Subchronic toxicity - The most serious effects from cadmium occur from cadmium fumes in occupational exposures. Pulmonary edema may develop based on the severity of exposure. Animal studies have indicated cadmium fume exposure of approximately 1 mg/m^3 for 8 hours may be harmful to workers. The suggested Threshold Limit Value for cadmium and compounds is 0.01 mg/m^3.

11.3 Chronic toxicity - Cadmium has been shown to cause renal dysfunction in both humans and animals. Other toxic effects include immunosuppression (in animals) anemia (in humans), pulmonary disease (in humans), possible effects on the endocrine system, defects in sensory function and bone disease.

11.4 Cancer potential - There is suggestive evidence linking cadmium with prostate cancer in humans. Animal studies have revealed lung tumors in rats exposed via the inhalation route and exposure by injection has shown sarcomas at the site of injection.

11.5 Other - Studies on the mutagenicity of cadmium have presented equivocal evidence. Cadmium is a known teratogen and reproductive toxin.

12.0 Arsenic

12.1 Acute toxicity - Acute poisoning in humans by ingestion is usually suicidal, homicidal or accidental. The lowest level associated with a fatal dose is about 130 mg; however, recovery has occurred after larger doses.

12.2 Chronic toxicity - Chronic signs of workers exposed to arsenic compounds primarily manifest themselves in relation to the skin, mucous membranes, gastrointestinal tract, central nervous system and less commonly associated with the liver and circulatory system.

12.3 Cancer potential - Arsenic as a carcinogen is primarily associated with arsenic trioxide and industrial exposures. Arsenic trioxide requires a promoter, such as exposure to respiratory irritants (e.g., sulfur dioxide, metal oxide fumes, smoking) to elicit a response. Arsenic compounds, particularly trivalent inorganics, have been associated with skin and lung carcinomas in humans.

13.0 Cyanide

13.1 Acute toxicity - Cyanide directly stimulates chemoreceptors of the aortic and carotid tissues resulting in hyperpnea. Cardiac irregularities often occur. Death is due to respiratory arrest, often occurring within seconds or minutes of inhaling hydrogen cyanide gas. Cyanide salts which are ingested may also result in death, however, at a slightly slower rate because of slower absorption.

13.2 Subchronic toxicity - In humans, cyanide exposure has occurred via inhalation and dermal routes in the metal industry. One such dermal exposure resulted in headache, listlessness, numbness and partial paralysis of limbs and partial loss of vision. Other studies have revealed these and additional effects.

13.3 Chronic toxicity - Chronic exposure to cyanide-containing materials has resulted in amblyopias, thyroid disorders and neuropathies. Exposure to cyanide in tobacco smoke has been associated with optical disorders. Defective cyanide metabolism and vitamin B12 deficiency have been observed with these disorders.

13.4 Other - A limited number of animal studies do not indicate that cyanide is teratogenic or carcinogenic.