

APPENDIX K

INVESTIGATION-DERIVED WASTE MANAGEMENT REPORTS

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February 13, 2004

Mr. Glen Beckham
U.S. Army Corps of Engineers, Louisville District
ATTN: CELRL-PM-M
600 Martin Luther King, Jr. Place
Louisville, Kentucky 40202-0059

SUBJECT: Contract No. 44650-99-0007, ECAS 431, Phase I Remedial Investigation (RI) for the Ramsdell Quarry at the Ravenna Army Ammunition Plant (RVAAP), Ravenna, Ohio

RE: Deliverable - FINAL Investigation Derived Waste (IDW) Characterization and Disposal Report for Well Cuttings, Development and Purge Water, and Decontamination Fluids

Dear Mr. Beckham:

Investigation activities conducted during the Phase I RI at the Ramsdell Quarry (November 2003 to December 2003) at RVAAP resulted in the generation of IDW consisting of soil, purge water, and decontamination fluids. The purpose of this letter is to characterize and classify for disposal IDW consisting of soil cuttings contained in one roll off box; saturated drill cuttings contained in three close-topped, 55-gallon drums; purge and development water contained in eleven close-topped, 55-gallon drums, and fluids from small tool decontamination contained in two close-topped, 55-gallon drums.

This report includes a summary of IDW generated and its origin (Table 1) and classification of the IDW and recommendations for disposal (Table 2). This document follows guidance established by the Facility-Wide Sampling and Analysis Plan (SAP) (USACE 2001), the Sampling and Analysis Plan Addendum No. 1 for the Phase I RI of Ramsdell Quarry (USACE 2003), and the Ohio Environmental Protection Agency (EPA) guidance (November 1997) regarding IDW disposition at RVAAP.

Table 1. Summary of Ramsdell Quarry Phase I IDW

CONTAINER NUMBER	CONTAINER TYPE AND SIZE	CONTENTS	GENERATION DATES
DECON-01	55- Gallon Closed Top Drum	Deon Fluids From Small Tool Decon	10/28/03 - 12/04/03
USACE Decon-02	55- Gallon Closed Top Drum	Deon Fluids From Small Tool Decon	06/27/03 - 12/04/03
RQLMW012-01	55-Gallon Closed Top Drum	Saturated Drill Cuttings	11/05/03
RQLMW012-02	55-Gallon Closed Top Drum	Saturated Drill Cuttings	11/05/03
RQLMW012-03	55-Gallon Closed Top Drum	Development/Purge Water	11/12/03
RQLMW012-04	55-Gallon Closed Top Drum	Development/Purge Water	11/12/2003 - 12/02/03
RQLMW013-01	55-Gallon Closed Top Drum	Development/Purge Water	11/12/03
RQLMW013-02	55-Gallon Closed Top Drum	Development/Purge Water	11/12/2003 - 12/02/03
RQLMW014-01	55-Gallon Closed Top Drum	Development/Purge Water	11/12/03
RQLMW014-02	55-Gallon Closed Top Drum	Development/Purge Water	11/12/2003 - 12/02/03
RQLMW015-01	55-Gallon Closed Top Drum	Saturated Drill Cuttings	11/02/03
RQLMW015-02	55-Gallon Closed Top Drum	Development/Purge Water	11/12/2003 - 11/14/03
RQLMW015-03	55-Gallon Closed Top Drum	Development/Purge Water	11/14/2003 - 12/04/03
RQLMW016-01	55-Gallon Closed Top Drum	Development/Purge Water	11/13/03
RQLMW016-02	55-Gallon Closed Top Drum	Development/Purge Water	11/13/2003 - 12/04/03
RQLMW017-01	55-Gallon Closed Top Drum	Development/Purge Water	11/14/2003 - 12/02/03
RQL-ROLLOFF-1	Roll Off Box	Soil Cuttings	11/2/2003 - 11/19/03

Per Section 7 of the Facility-Wide SAP, non-indigenous IDW is characterized for disposal on the basis of composite samples collected from segregated waste stream storage containers. In addition, Ohio EPA allows for the characterization of indigenous IDW (groundwater) to be characterized for disposal on the basis of composite samples collected from segregated waste stream storage containers. Composite waste samples were collected and submitted for laboratory analysis to characterize each waste stream for disposal. Two liquid composite samples were collected RQ0187 (composite of all IDW development/purge water) and RQ0188 (composite of decontamination fluids). Upon receipt of analytical results from the laboratory, the analytical results were reviewed to determine if any potentially hazardous waste exist. This review consisted of a

comparison of the analytical results against the TCLP criteria presented in Table 7-1, Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24) presented in the Facility-Wide SAP (USACE 2001).

Attachment 1 presents the analytical laboratory data for TCLP analysis for IDW water generated during this reporting period. All analytical results were below reporting limits for both the IDW purge water sample (RQ0187) and the IDW small tools decontamination fluid sample (RQ0188) with the exception of pyridine detected at a concentration of 8J $\mu\text{g/L}$ in RQ0188. This value falls below the TCLP regulatory limit for pyridine of 5.0 mg/L. The pH for the IDW water samples ranged from 6.8 to 6.1 standard units respectively. The results for the flash point in both samples were below detectable limits. Reactive sulfide was not present in either sample. Reactive cyanide was not detected in sample RQ0187. Cyanide was detected at an estimated concentration of 0.1J mg/L in the IDW decontamination fluid sample, RQ0188; however, this concentration is less than the method reporting limit of 0.3 mg/L. The waste present in both samples are considered non-hazardous, contaminated wastewater.

Per Section 7 of the Facility-Wide SAP, indigenous IDW contained in roll-off boxes are characterized for disposal on the basis of composite samples collected and submitted for laboratory analysis of full toxicity characteristic leaching procedure (TCLP). One composite sample was collected from the roll-off box of soil cuttings (drill cuttings and excess soil from hand auger samples) generated at the Ramsdell Quarry during this reporting period. Upon receipt of analytical results from the laboratory, the analytical results were reviewed to determine if any potentially hazardous waste exist. This review consisted of a comparison of the analytical results against the TCLP criteria presented in Table 7-1, Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR 261.24) presented in the Facility-Wide SAP (USACE 2001).

Attachment 2 presents the analytical laboratory data for TCLP analysis for IDW soil cuttings in container RQL-ROLLOFF-1 (sample ID RQ0186). All analytical results were below quantitative limits. The pH of the sample was 8.4, the flashpoint was below the detection level of 20°C, and the sample was 75% solids based on the CLP solids analysis. Reactive cyanide and reactive sulfide were not present in this sample; therefore, the waste is considered non-hazardous, contaminated solid waste.

Please note that this soil has been characterized under provisions of the Facility-Wide SAP and SAP Addendum No. 1 using TCLP analysis and process knowledge. Unless RVAAP has additional information that would result in the IDW meeting, or containing materials that meet, the definition of a listed hazardous waste as defined in 40 CFR Part 261 Subpart D, it is recommended that the IDW, as presently characterized, be disposed as non-hazardous, contaminated solid waste.

Table 2 presents the disposal recommendations determined as a result of these data. Disposal at a permitted solid waste or water treatment facility is recommended for

Table 2. Summary of Final Waste Classification and Recommended Disposal Options

NON-HAZARDOUS, CONTAMINATED WASTE			
Container Number	Medium	Waste Criterion	Disposal Recommendation
DECON-01	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
USACE DECON-02	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW012-01	Saturated soils	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW012-02	Saturated soils	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW012-03	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW012-04	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW013-01	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW013-02	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW014-01	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW014-02	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW015-01	Saturated soils	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW015-02	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW015-03	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW016-01	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW016-02	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQLMW017-01	Water	Inorganics, organics	Permitted Wastewater Treatment Facility or Permitted Solid Waste Facility
RQL-ROLLOFF-1	Soils	Inorganics, organics	Permitted Solid Waste Facility


all IDW wastes generated during this period provided that RVAAP concurs with the preliminary characterization and that no RCRA listings apply.

Since RVAAP, under RCRA, is the generator of this material, SAIC requests concurrence or direction on the waste classification prior to disposal to ensure that the materials are properly disposed. Following your direction and immediate approval, we will proceed with the appropriate waste disposal.

If you have any questions, or require additional information, please do not hesitate to contact me at (865) 481-4614 or Martha Clough at (330) 405-5804.

Sincerely,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION



Kevin Jago
Project Manager

cc: Robin Brandin – SAIC
Martha Clough – SAIC
Todd Fisher – Ohio EPA
John Jent – USACE
Eileen Mohr – Ohio EPA
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SAIC CY10 Project File
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Attachment 1
Ramsdell Quarry Analytical IDW Water Data

Container ID	IDW Sample ID	Analysis Type	Chemical	Units	Result	Reporting Limit	TCLP Criteria (mg/L)
RQLMW012-01	RQ0187	pH	pH	pH	6.8	0	
RQLMW012-02	RQ0187	Reactives, Cyanide	Cyanide	mg/L	ND	0.3	
RQLMW012-03	RQ0187	Semivolatile Organics	1,4-Dichlorobenzene	µg/L	ND	50	7.50
RQLMW012-04	RQ0187	Semivolatile Organics	2,4,5-Trichlorophenol	µg/L	ND	50	400.00
RQLMW013-01	RQ0187	Semivolatile Organics	2,4,6-Trichlorophenol	µg/L	ND	50	2.00
RQLMW013-02	RQ0187	Semivolatile Organics	2,4-Dinitrotoluene	µg/L	ND	50	0.13
RQLMW014-01	RQ0187	Semivolatile Organics	2-methylphenol	µg/L	ND	50	
RQLMW014-02	RQ0187	Semivolatile Organics	3 & 4-Methylphenol	µg/L	ND	50	
RQLMW015-01	RQ0187	Semivolatile Organics	Hexachlorobenzene	µg/L	ND	50	0.13
RQLMW015-02	RQ0187	Semivolatile Organics	Hexachlorobutadiene	µg/L	ND	50	0.50
RQLMW015-03	RQ0187	Semivolatile Organics	Hexachloroethane	µg/L	ND	50	3.00
RQLMW016-01	RQ0187	Semivolatile Organics	Nitrobenzene	µg/L	ND	50	2.00
RQLMW016-02	RQ0187	Semivolatile Organics	Pentachlorophenol	µg/L	ND	100	100.00
RQLMW017-01	RQ0187	Semivolatile Organics	Pyridine	µg/L	ND	50	5.00
	RQ0187	TCLP Metals	Arsenic	µg/L	ND	200	5.00
	RQ0187	TCLP Metals	Barium	µg/L	ND	1000	100.00
	RQ0187	TCLP Metals	Cadmium	µg/L	ND	60	1.00
	RQ0187	TCLP Metals	Chromium	µg/L	ND	50	5.00
	RQ0187	TCLP Metals	Lead	µg/L	ND	100	5.00
	RQ0187	TCLP Metals	Mercury	µg/L	ND	2	0.20
	RQ0187	TCLP Metals	Selenium	µg/L	ND	200	1.00
	RQ0187	TCLP Metals	Silver	µg/L	ND	30	5.00
	RQ0187	TCLP Herbicides	2,4,5-TP (Silvex)	µg/L	ND	5	1.00
	RQ0187	TCLP Herbicides	2,4-D	µg/L	ND	5	10.00
	RQ0187	TCLP Pesticides and/or PCBs	Chlordane	µg/L	ND	5	0.03
	RQ0187	TCLP Pesticides and/or PCBs	Endrin	µg/L	ND	0.25	0.02
	RQ0187	TCLP Pesticides and/or PCBs	Gamma-BHC (Lindane)	µg/L	ND	0.25	0.40
	RQ0187	TCLP Pesticides and/or PCBs	Heptachlor	µg/L	ND	0.25	0.01
	RQ0187	TCLP Pesticides and/or PCBs	Heptachlor Epoxide	µg/L	ND	0.25	0.01
	RQ0187	TCLP Pesticides and/or PCBs	Methoxychlor	µg/L	ND	0.25	10.00
	RQ0187	TCLP Pesticides and/or PCBs	Toxaphene	µg/L	ND	0.5	0.50
	RQ0187	Semivolatile Organics	1,1-Dichloroethene	µg/L	ND	100	
	RQ0187	Semivolatile Organics	1,2-Dichloroethane	µg/L	ND	100	0.50
	RQ0187	Semivolatile Organics	1,4-Dichlorobenzene	µg/L	ND	100	7.50
	RQ0187	Semivolatile Organics	2-Butanone (MEK)	µg/L	ND	100	200.00
	RQ0187	Semivolatile Organics	Benzene	µg/L	ND	100	0.50
	RQ0187	Semivolatile Organics	Carbon Tetrachloride	µg/L	ND	100	0.50
	RQ0187	Semivolatile Organics	Chlorobenzene	µg/L	ND	100	100.00
	RQ0187	Semivolatile Organics	Chloroform	µg/L	ND	100	6.00
	RQ0187	Semivolatile Organics	Tetrachloroethylene	µg/L	ND	100	0.70
	RQ0187	Semivolatile Organics	Trichloroethene	µg/L	ND	100	0.50
	RQ0187	Semivolatile Organics	Vinyl Chloride	µg/L	ND	100	0.20
	RQ0187	Reactives	Sulfide	mg/L	ND	10	
	RQ0187	Flash Point	Flash Point	DC	ND	20	

**Attachment 1
Ramsdell Quarry Analytical IDW Water Data**

Container ID	IDW Sample ID	Analysis Type	Chemical	Units	Result	Reporting Limit	TCLP Criteria (mg/L)
DECON-1	RQ0188	pH	pH	pH	6.1	0	
USACE DECON-02	RQ0188	Reactives, Cyanide	Cyanide	mg/L	0.1J	0.3	
	RQ0188	Semivolatile Organics	1,4-Dichlorobenzene	µg/L	ND	50	7.50
	RQ0188	Semivolatile Organics	2,4,5-Trichlorophenol	µg/L	ND	50	400.00
	RQ0188	Semivolatile Organics	2,4,6-Trichlorophenol	µg/L	ND	50	2.00
	RQ0188	Semivolatile Organics	2,4-Dinitrotoluene	µg/L	ND	50	0.13
	RQ0188	Semivolatile Organics	2-methylphenol	µg/L	ND	50	
	RQ0188	Semivolatile Organics	3 & 4-Methylphenol	µg/L	ND	50	
	RQ0188	Semivolatile Organics	Hexachlorobenzene	µg/L	ND	50	0.13
	RQ0188	Semivolatile Organics	Hexachlorobutadiene	µg/L	ND	50	0.50
	RQ0188	Semivolatile Organics	Hexachloroethane	µg/L	ND	50	3.00
	RQ0188	Semivolatile Organics	Nitrobenzene	µg/L	ND	50	2.00
	RQ0188	Semivolatile Organics	Pentachlorophenol	µg/L	ND	100	100.00
	RQ0188	Semivolatile Organics	Pyridine	µg/L	8J	50	5.00
	RQ0188	TCLP Metals	Arsenic	µg/L	ND	200	5.00
	RQ0188	TCLP Metals	Barium	µg/L	ND	1000	100.00
	RQ0188	TCLP Metals	Cadmium	µg/L	ND	60	1.00
	RQ0188	TCLP Metals	Chromium	µg/L	ND	50	5.00
	RQ0188	TCLP Metals	Lead	µg/L	ND	100	5.00
	RQ0188	TCLP Metals	Mercury	µg/L	ND	2	0.20
	RQ0188	TCLP Metals	Selenium	µg/L	ND	200	1.00
	RQ0188	TCLP Metals	Silver	µg/L	ND	30	5.00
	RQ0188	TCLP Herbicides	2,4,5-TP (Silvex)	µg/L	ND	5	1.00
	RQ0188	TCLP Herbicides	2,4-D	µg/L	ND	5	10.00
	RQ0188	TCLP Pesticides and/or PCBs	Chlordane	µg/L	ND	100	0.03
	RQ0188	TCLP Pesticides and/or PCBs	Endrin	µg/L	ND	5	0.02
	RQ0188	TCLP Pesticides and/or PCBs	Gamma-BHC (Lindane)	µg/L	ND	5	0.40
	RQ0188	TCLP Pesticides and/or PCBs	Heptachlor	µg/L	ND	5	0.01
	RQ0188	TCLP Pesticides and/or PCBs	Heptachlor Epoxide	µg/L	ND	5	0.01
	RQ0188	TCLP Pesticides and/or PCBs	Methoxychlor	µg/L	ND	5	10.00
	RQ0188	TCLP Pesticides and/or PCBs	Toxaphene	µg/L	ND	100	0.50
	RQ0188	Semivolatile Organics	1,1-Dichloroethene	µg/L	ND	100	
	RQ0188	Semivolatile Organics	1,2-Dichloroethane	µg/L	ND	100	0.50
	RQ0188	Semivolatile Organics	1,4-Dichlorobenzene	µg/L	ND	100	7.50
	RQ0188	Semivolatile Organics	2-Butanone (MEK)	µg/L	ND	100	200.00
	RQ0188	Semivolatile Organics	Benzene	µg/L	ND	100	0.50
	RQ0188	Semivolatile Organics	Carbon Tetrachloride	µg/L	ND	100	0.50
	RQ0188	Semivolatile Organics	Chlorobenzene	µg/L	ND	100	100.00
	RQ0188	Semivolatile Organics	Chloroform	µg/L	ND	100	6.00
	RQ0188	Semivolatile Organics	Tetrachloroethylene	µg/L	ND	100	0.70
	RQ0188	Semivolatile Organics	Trichloroethene	µg/L	ND	100	0.50
	RQ0188	Semivolatile Organics	Vinyl Chloride	µg/L	ND	100	0.20
	RQ0188	Reactives	Sulfide	mg/L	ND	10	
	RQ0188	Flash Point	Flash Point	DC	ND	20	

Attachment 2
Ramsdell Quarry Analytical IDW Soil Data

Container ID	IDW Sample ID	Analysis Method	Analysis Type	Chemical	Units	Result	Reporting Limit	TCLP Criteria (mg/L)
RQL-ROLLOFF-1	RQ0186	SW9045C	pH	pH	pH	8.4	0	
RQL-ROLLOFF-1	RQ0186	SW9014R	Reactives, Cyanide	Cyanide	mg/L	ND	0.3	
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	1,4-Dichlorobenzene	µg/L	ND	50	7.50
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	2,4,5-Trichlorophenol	µg/L	ND	50	400.00
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	2,4,6-Trichlorophenol	µg/L	ND	50	2.00
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	2,4-Dinitrotoluene	µg/L	ND	50	0.13
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	2-methylphenol	µg/L	ND	50	
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	3 & 4-Methylphenol	µg/L	ND	50	
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	Hexachlorobenzene	µg/L	ND	50	0.13
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	Hexachlorobutadiene	µg/L	ND	50	0.50
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	Hexachloroethane	µg/L	ND	50	3.00
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	Nitrobenzene	µg/L	ND	50	2.00
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	Pentachlorophenol	µg/L	ND	100	100.00
RQL-ROLLOFF-1	RQ0186	SW8270C TCLP	Semivolatile Organics	Pyridine	µg/L	ND	50	5.00
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Arsenic	µg/L	ND	200	5.00
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Barium	µg/L	ND	1000	100.00
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Cadmium	µg/L	ND	60	1.00
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Chromium	µg/L	ND	50	5.00
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Lead	µg/L	ND	100	5.00
RQL-ROLLOFF-1	RQ0186	SW7471A TCLP	TCLP Metals	Mercury	µg/L	ND	2	0.20
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Selenium	µg/L	ND	200	1.00
RQL-ROLLOFF-1	RQ0186	SW6010B TCLP	TCLP Metals	Silver	µg/L	ND	30	5.00
RQL-ROLLOFF-1	RQ0186	SW8151A TCLP	TCLP Herbicides	2,4,5-TP (Silvex)	µg/L	ND	5	1.00
RQL-ROLLOFF-1	RQ0186	SW8151A TCLP	TCLP Herbicides	2,4-D	µg/L	ND	5	10.00
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Chlordane	µg/L	ND	5	0.03
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Endrin	µg/L	ND	0.25	0.02
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Gamma-BHC (Lindane)	µg/L	ND	0.25	0.40
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Heptachlor	µg/L	ND	0.25	0.01
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Heptachlor Epoxide	µg/L	ND	0.25	0.01
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Methoxychlor	µg/L	ND	0.25	10.00
RQL-ROLLOFF-1	RQ0186	SW8081A TCLP	TCLP Pesticides and/or PCBs	Toxaphene	µg/L	ND	5	0.50
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	1,1-Dichloroethene	µg/L	ND	100	
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	1,2-Dichloroethane	µg/L	ND	100	0.50
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	1,4-Dichlorobenzene	µg/L	ND	100	7.50
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	2-Butanone (MEK)	µg/L	ND	100	200.00
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Benzene	µg/L	ND	100	0.50
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Carbon Tetrachloride	µg/L	ND	100	0.50
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Chlorobenzene	µg/L	ND	100	100.00
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Chloroform	µg/L	ND	100	6.00
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Tetrachloroethylene	µg/L	ND	100	0.70
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Trichloroethene	µg/L	ND	100	0.50
RQL-ROLLOFF-1	RQ0186	SW8260B TCLP	Semivolatile Organics	Vinyl Chloride	µg/L	ND	100	0.20
RQL-ROLLOFF-1	RQ0186	SW9034R	Reactives	Sulfide	mg/L	ND	10	
RQL-ROLLOFF-1	RQ0186	CLP_SOLIDS	Percent Solids	Percent Solids	%	75	1	
RQL-ROLLOFF-1	RQ0186	SW1010	Flash Point	Flash Point	DC	ND	20	

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