


United States Nuclear Regulatory Commission Official Hearing Exhibit																									
In the Matter of: POWERTECH USA, INC. (Dewey-Burdock In Situ Uranium Recovery Facility)																									
	<table><tr><td>ASLBP #:</td><td>10-898-02-MLA-BD01</td><td>Identified:</td><td>8/19/2014</td></tr><tr><td>Docket #:</td><td>04009075</td><td>Withdrawn:</td><td></td></tr><tr><td>Exhibit #:</td><td>APP-016-O-00-BD01</td><td>Stricken:</td><td></td></tr><tr><td>Admitted:</td><td>8/19/2014</td><td></td><td></td></tr><tr><td>Rejected:</td><td></td><td></td><td></td></tr><tr><td>Other:</td><td></td><td></td><td></td></tr></table>	ASLBP #:	10-898-02-MLA-BD01	Identified:	8/19/2014	Docket #:	04009075	Withdrawn:		Exhibit #:	APP-016-O-00-BD01	Stricken:		Admitted:	8/19/2014			Rejected:				Other:			
ASLBP #:	10-898-02-MLA-BD01	Identified:	8/19/2014																						
Docket #:	04009075	Withdrawn:																							
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Admitted:	8/19/2014																								
Rejected:																									
Other:																									



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040058-001
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/02/08 18:07
Date Received: 04/03/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	98	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Carbonate as CO3	53	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Bicarbonate as HCO3	12	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Calcium	25.8	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Chloride	13	mg/L		1		1	E300.0	04/04/08 19:39/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	04/04/08 19:39/jmh
Magnesium	13.6	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:57/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/04/08 19:39/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/04/08 19:39/jmh
Potassium	16.8	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Silica	7.9	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Sodium	193	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Sulfate	428	mg/L	D	3		50	E300.0	04/04/08 18:53/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1180	umhos/cm		5.0		1	A2510 B	04/05/08 14:45/jmh
Oxidation-Reduction Potential	110	mV				1	A2580 B	04/04/08 00:00/jmh
pH	10.3	s.u.		0.01		1	A4500-H B	04/05/08 14:30/jmh
Sodium Adsorption Ratio (SAR)	7.6	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	690	mg/L		5		1	A2540 C	04/07/08 08:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/25/08 20:21/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/25/08 20:21/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/16/08 14:55/eli-c
Copper	ND	mg/L		0.01		2	E200.7	04/16/08 14:55/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/16/08 14:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/25/08 20:21/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/16/08 14:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/25/08 20:21/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/25/08 20:21/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 13:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:53/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040058-001
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/02/08 18:07
Date Received: 04/03/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/25/08 20:21/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/25/08 20:21/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/16/08 14:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L	D	0.0008		1	E200.8	04/17/08 14:14/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.9	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Alpha precision (±)	1.9	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Beta	8.8	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Beta MDC	3.1	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	0.6	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/08/08 13:00/eli-c
Polonium 210 precision (±)	0.8	pCi/L				1	RMO-3008	04/08/08 13:00/eli-c
Radium 226	0.3	pCi/L				1	E903.0	04/29/08 15:46/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/29/08 15:46/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/29/08 15:46/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/14/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/14/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/10/08 15:29/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/10/08 15:29/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.4	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.64	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.9	pCi/L				1	E903.0	04/21/08 16:36/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 16:36/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040058-001
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/02/08 18:07
Date Received: 04/03/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/21/08 16:36/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	608	pCi/L	H	100		1	D5072-92	04/07/08 14:17/eli-c
Radon 222 precision (±)	89.1	pCi/L	H			1	D5072-92	04/07/08 14:17/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/11/08 00:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 00:59/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/11/08 19:02/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/15/08 13:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 00:59/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 00:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 19:02/eli-c
Iron	0.07	mg/L		0.03		2	E200.7	04/15/08 13:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	04/11/08 19:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/16/08 15:46/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 00:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 19:02/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 00:59/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	04/11/08 00:59/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/11/08 00:59/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/11/08 19:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.0600					1	A1030 E	06/17/08 00:00/ADM
Anions	11.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	771	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.890					1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
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MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080407A-ALK-SEL-W							
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: PH_COND1-R_080407B		04/07/08 10:43		
Alkalinity, Total as CaCO ₃	972	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: PH_COND1-R_080407B		04/07/08 10:46		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08040028-001AMS	Sample Matrix Spike				Run: PH_COND1-R_080407B		04/07/08 11:05		
Alkalinity, Total as CaCO ₃	236	mg/L	5.0	94	80	120			
Sample ID: R08040028-001AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080407B		04/07/08 11:11		
Alkalinity, Total as CaCO ₃	240	mg/L	5.0	98	80	120	1.7	10	
Method: A2510 B		Batch: 080405_1_COND-PROBE-W							
Sample ID: LCS1-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A		04/05/08 14:35		
Conductivity @ 25 C	145	umhos/cm	5.0	97	90	110			
Sample ID: LCS2-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A		04/05/08 14:36		
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A		04/05/08 14:36		
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080405	Method Blank				Run: PH_COND2-R_080405A		04/05/08 14:37		
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C		Batch: 080407A-SLDS-TDS-W							
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: BAL-4-R_080407A		04/07/08 08:38		
Solids, Total Dissolved TDS @ 180 C	2000	mg/L	5.0	102	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: BAL-4-R_080407A		04/07/08 08:39		
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040069-001AMS	Sample Matrix Spike				Run: BAL-4-R_080407A		04/07/08 08:48		
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	107	80	120			
Sample ID: R08040069-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080407A		04/07/08 08:48		
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	107	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE-3114-080407A		
Sample ID: MBLK	Method Blank					Run: SUB-C99208			04/07/08 12:04
Selenium	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample					Run: SUB-C99208			04/07/08 12:06
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike					Run: SUB-C99208			04/07/08 12:41
Selenium	0.050	mg/L	0.0010	99	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate					Run: SUB-C99208			04/07/08 12:43
Selenium	0.051	mg/L	0.0010	101	85	115	2.0	10	
Method: A3114 B							Batch: C_SEIV-3114-080407		
Sample ID: MBLK	Method Blank					Run: SUB-C99195			04/07/08 09:27
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample					Run: SUB-C99195			04/07/08 09:29
Selenium-IV	0.045	mg/L	0.0010	91	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike					Run: SUB-C99195			04/07/08 10:10
Selenium-IV	0.043	mg/L	0.0010	86	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate					Run: SUB-C99195			04/07/08 10:12
Selenium-IV	0.045	mg/L	0.0010	90	85	115	4.7	10	
Method: A4500-H B							Batch: 080405_1_PH-W		
Sample ID: LCS_pH-1_080405	Laboratory Control Sample					Run: PH_COND2-R_080405A			04/05/08 14:19
pH	6.94	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G			Batch: A2008-04-04_2_NH3_01						
Sample ID: MBLK-2	Method Blank						Run: TECHAA2-R_080404A		04/04/08 09:05
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank						Run: TECHAA2-R_080404A		04/04/08 09:06
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank						Run: TECHAA2-R_080404A		04/04/08 09:08
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08040003-001CMS	Sample Matrix Spike						Run: TECHAA2-R_080404A		04/04/08 10:49
Nitrogen, Ammonia as N	0.19	mg/L	0.10	76	80	120			S
Sample ID: R08040003-001CMSD	Sample Matrix Spike Duplicate						Run: TECHAA2-R_080404A		04/04/08 10:50
Nitrogen, Ammonia as N	0.19	mg/L	0.10	74	80	120	3.2	10	S
Method: D5072-92			Batch: C_R99299						
Sample ID: R08040058-001G	Sample Duplicate						Run: SUB-C99299		04/07/08 14:17
Radon 222	636	pCi/L	100					4.6	30
Sample ID: MB-R99299	Method Blank						Run: SUB-C99299		04/07/08 14:17
Radon 222	-9	pCi/L							U
Sample ID: LCS-R99299	Laboratory Control Sample						Run: SUB-C99299		04/07/08 14:17
Radon 222	303	pCi/L	100	103	70	130			
Method: E200.7			Batch: C_18255						
Sample ID: MB-18255	Method Blank						Run: SUB-C99715		04/15/08 13:42
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Sample ID: LCS-18255	Laboratory Control Sample						Run: SUB-C99715		04/15/08 13:45
Boron	0.482	mg/L	0.10	96	85	115			
Iron	0.473	mg/L	0.030	95	85	115			
Sample ID: C08040370-001A MS	Sample Matrix Spike						Run: SUB-C99715		04/15/08 14:09
Boron	0.486	mg/L	0.10	93	70	130			
Iron	0.519	mg/L	0.030	91	70	130			
Sample ID: C08040370-001A MSD	Sample Matrix Spike Duplicate						Run: SUB-C99715		04/15/08 14:12
Boron	0.495	mg/L	0.10	95	70	130	1.9	20	
Iron	0.529	mg/L	0.030	93	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R99737		
Sample ID: MB-080416A	Method Blank		Run: SUB-C99737				04/16/08 11:30		
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	0.006	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080416A							04/16/08 11:33		
Laboratory Fortified Blank		Run: SUB-C99737							
Silica	0.95	mg/L	0.10	95	85	125			
Aluminum	0.89	mg/L	0.10	89	85	125			
Barium	0.88	mg/L	0.10	88	85	125			
Boron	0.92	mg/L	0.10	92	85	125			
Calcium	46	mg/L	0.50	92	85	125			
Chromium	0.90	mg/L	0.050	90	85	125			
Copper	0.87	mg/L	0.010	87	85	125			
Iron	0.89	mg/L	0.030	88	85	125			
Magnesium	47	mg/L	0.50	93	85	125			
Manganese	0.88	mg/L	0.010	88	85	125			
Molybdenum	0.94	mg/L	0.10	94	85	125			
Potassium	43	mg/L	0.50	86	85	125			
Sodium	45	mg/L	0.50	90	85	125			
Vanadium	0.94	mg/L	0.10	94	85	125			
Zinc	0.91	mg/L	0.010	91	85	125			
Sample ID: R08040058-001C							04/16/08 14:59		
Sample Matrix Spike		Run: SUB-C99737							
Aluminum	1.74	mg/L	0.10	85	70	130			
Barium	1.78	mg/L	0.10	85	70	130			
Boron	1.86	mg/L	0.10	89	70	130			
Chromium	1.77	mg/L	0.050	87	70	130			
Copper	1.72	mg/L	0.011	85	70	130			
Iron	1.80	mg/L	0.030	88	70	130			
Manganese	1.76	mg/L	0.010	86	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R99737		
Sample ID: R08040058-001C	Sample Matrix Spike			Run: SUB-C99737			04/16/08 14:59		
Molybdenum	1.90	mg/L	0.10	91	70	130			
Vanadium	1.88	mg/L	0.10	92	70	130			
Zinc	1.89	mg/L	0.010	93	70	130			
Calcium	118	mg/L	1.0	90	70	130			
Magnesium	107	mg/L	1.0	91	70	130			
Potassium	103	mg/L	1.0	84	70	130			
Silica	9.71	mg/L	0.12	90	70	130			
Sodium	272	mg/L	1.0	78	70	130			
Sample ID: R08040058-001C	Sample Matrix Spike Duplicate			Run: SUB-C99737			04/16/08 15:02		
Aluminum	1.73	mg/L	0.10	85	70	130	0.6	20	
Barium	1.79	mg/L	0.10	86	70	130	0.2	20	
Boron	1.84	mg/L	0.10	88	70	130	0.9	20	
Chromium	1.76	mg/L	0.050	86	70	130	0.6	20	
Copper	1.71	mg/L	0.011	84	70	130	0.8	20	
Iron	1.79	mg/L	0.030	87	70	130	0.3	20	
Manganese	1.75	mg/L	0.010	86	70	130	0.7	20	
Molybdenum	1.84	mg/L	0.10	88	70	130	3.2	20	
Vanadium	1.86	mg/L	0.10	91	70	130	1.3	20	
Zinc	1.87	mg/L	0.010	92	70	130	1.0	20	
Calcium	118	mg/L	1.0	90	70	130	0.5	20	
Magnesium	106	mg/L	1.0	91	70	130	0.4	20	
Potassium	103	mg/L	1.0	84	70	130	0.2	20	
Silica	9.45	mg/L	0.12	77	70	130	2.7	20	
Sodium	269	mg/L	1.0	75	70	130	1.0	20	
Method: E200.8							Batch: C_18234		
Sample ID: MB-18234	Method Blank			Run: SUB-C99827			04/17/08 13:25		
Uranium	0.0008	mg/L	2E-05						
Sample ID: LCS1-18234	Laboratory Control Sample			Run: SUB-C99827			04/17/08 13:29		
Uranium	0.0512	mg/L	0.00030	97	80	120			
Sample ID: R08040058-001I	Post Digestion Spike			Run: SUB-C99827			04/17/08 14:18		
Uranium	0.0126	mg/L	0.00030	95	70	130			
Sample ID: R08040058-001I	Post Digestion Spike Duplicate			Run: SUB-C99827			04/17/08 14:22		
Uranium	0.0126	mg/L	0.00030	95	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18255		
Sample ID: MB-18255	Method Blank		Run: SUB-C99461				04/11/08 00:45		
Antimony	ND	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	0.0003						
Cadmium	ND	mg/L	3E-05						
Chromium	0.001	mg/L	5E-05						
Lead	1E-05	mg/L							
Molybdenum	ND	mg/L	5E-05						
Selenium	0.0005	mg/L	0.0002						
Silver	ND	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	5E-05	mg/L	3E-05						
Uranium	7E-05	mg/L	3E-05						
Sample ID: LCS1-18255	Laboratory Control Sample		Run: SUB-C99461				04/11/08 00:52		
Antimony	0.0199	mg/L	0.050	99	80	120			
Arsenic	0.0221	mg/L	0.0010	111	80	120			
Barium	0.0194	mg/L	0.10	97	80	120			
Cadmium	0.0221	mg/L	0.010	110	80	120			
Chromium	0.0210	mg/L	0.050	99	80	120			
Lead	0.0197	mg/L	0.050	98	80	120			
Molybdenum	0.0218	mg/L	0.10	109	80	120			
Selenium	0.108	mg/L	0.0010	108	80	120			
Silver	0.0226	mg/L	0.010	113	80	120			
Strontium	0.0106	mg/L	0.10	106	80	120			
Thallium	0.0194	mg/L	0.10	97	80	120			
Uranium	0.0191	mg/L	0.00030	95	80	120			
Sample ID: C08040370-001AMS4	Post Digestion Spike		Run: SUB-C99461				04/11/08 02:00		
Antimony	0.0211	mg/L	0.050	104	70	130			
Arsenic	0.0232	mg/L	0.0010	116	70	130			
Barium	0.0351	mg/L	0.10	104	70	130			
Cadmium	0.0214	mg/L	0.010	105	70	130			
Chromium	0.0204	mg/L	0.050	95	70	130			
Lead	0.0212	mg/L	0.050	106	70	130			
Molybdenum	0.0257	mg/L	0.10	115	70	130			
Selenium	0.111	mg/L	0.0010	109	70	130			
Silver	0.0215	mg/L	0.010	107	70	130			
Strontium	1.70	mg/L	0.10		70	130			A
Thallium	0.0213	mg/L	0.10	106	70	130			
Uranium	0.0227	mg/L	0.00030	107	70	130			

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18255		
Sample ID: C08040370-001AMSD4	Post Digestion Spike Duplicate			Run: SUB-C99461			04/11/08 02:07		
Antimony	0.0202	mg/L	0.050	100	70	130	0.0	20	
Arsenic	0.0230	mg/L	0.0010	115	70	130	0.9	20	
Barium	0.0344	mg/L	0.10	100	70	130	0.0	20	
Cadmium	0.0209	mg/L	0.010	103	70	130	2.5	20	
Chromium	0.0191	mg/L	0.050	89	70	130	0.0	20	
Lead	0.0203	mg/L	0.050	101	70	130	0.0	20	
Molybdenum	0.0250	mg/L	0.10	112	70	130	0.0	20	
Selenium	0.108	mg/L	0.0010	106	70	130	2.3	20	
Silver	0.0213	mg/L	0.010	107	70	130	0.8	20	
Strontium	1.65	mg/L	0.10		70	130	3.3	20	A
Thallium	0.0208	mg/L	0.10	103	70	130	0.0	20	
Uranium	0.0216	mg/L	0.00030	102	70	130	4.8	20	
Sample ID: MB-18255	Method Blank			Run: SUB-C99538			04/11/08 18:48		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0004	mg/L	5E-05						
Barium	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	0.0007	mg/L	5E-05						
Copper	0.0004	mg/L	0.0001						
Lead	ND	mg/L	5E-05						
Manganese	7E-05	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	4E-05						
Uranium	7E-05	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LCS1-18255	Laboratory Control Sample			Run: SUB-C99538			04/11/08 18:55		
Antimony	0.0202	mg/L	0.050	101	80	120			
Arsenic	0.0205	mg/L	0.0010	103	80	120			
Barium	0.0206	mg/L	0.10	103	80	120			
Beryllium	0.0217	mg/L	0.010	108	80	120			
Cadmium	0.0206	mg/L	0.010	103	80	120			
Chromium	0.0213	mg/L	0.050	107	80	120			
Copper	0.0208	mg/L	0.010	104	80	120			
Lead	0.0199	mg/L	0.050	99	80	120			
Manganese	0.0205	mg/L	0.010	102	80	120			
Molybdenum	0.0205	mg/L	0.10	102	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18255		
Sample ID: LCS1-18255	Laboratory Control Sample				Run: SUB-C99538			04/11/08 18:55	
Nickel	0.0201	mg/L	0.050	101	80	120			
Strontium	0.0110	mg/L	0.10	110	80	120			
Thallium	0.0177	mg/L	0.10	88	80	120			
Uranium	0.0210	mg/L	0.00030	105	80	120			
Zinc	0.0239	mg/L	0.010	119	80	120			
Sample ID: C08040370-001AMS4	Post Digestion Spike				Run: SUB-C99538			04/11/08 19:35	
Antimony	0.0222	mg/L	0.050	109	70	130			
Arsenic	0.0234	mg/L	0.0010	112	70	130			
Barium	0.0354	mg/L	0.10	101	70	130			
Beryllium	0.0178	mg/L	0.010	89	70	130			
Cadmium	0.0201	mg/L	0.010	99	70	130			
Chromium	0.0207	mg/L	0.050	99	70	130			
Copper	0.0255	mg/L	0.010	104	70	130			
Lead	0.0208	mg/L	0.050	104	70	130			
Manganese	0.729	mg/L	0.010		70	130			A
Molybdenum	0.0240	mg/L	0.10	107	70	130			
Nickel	0.0244	mg/L	0.050	118	70	130			
Strontium	1.64	mg/L	0.10		70	130			A
Thallium	0.0192	mg/L	0.10	95	70	130			
Uranium	0.0217	mg/L	0.00030	102	70	130			
Zinc	0.0553	mg/L	0.010	98	70	130			
Sample ID: C08040370-001AMSD4	Post Digestion Spike Duplicate				Run: SUB-C99538			04/11/08 19:42	
Antimony	0.0216	mg/L	0.050	106	70	130	0.0	20	
Arsenic	0.0222	mg/L	0.0010	106	70	130	5.3	20	
Barium	0.0364	mg/L	0.10	106	70	130	0.0	20	
Beryllium	0.0183	mg/L	0.010	91	70	130	2.9	20	
Cadmium	0.0200	mg/L	0.010	98	70	130	0.5	20	
Chromium	0.0205	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0254	mg/L	0.010	103	70	130	0.4	20	
Lead	0.0200	mg/L	0.050	100	70	130	0.0	20	
Manganese	0.748	mg/L	0.010		70	130	2.6	20	A
Molybdenum	0.0240	mg/L	0.10	107	70	130	0.0	20	
Nickel	0.0253	mg/L	0.050	123	70	130	0.0	20	
Strontium	1.70	mg/L	0.10		70	130	3.6	20	A
Thallium	0.0196	mg/L	0.10	97	70	130	0.0	20	
Uranium	0.0221	mg/L	0.00030	104	70	130	2.1	20	
Zinc	0.0548	mg/L	0.010	95	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100187		
Sample ID: LRB	Method Blank		Run: SUB-C100187				04/25/08 11:29		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	8E-05	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C100187				04/25/08 11:36		
Arsenic	0.0540	mg/L	0.0010	108	85	115			
Cadmium	0.0551	mg/L	0.0010	110	85	115			
Lead	0.0546	mg/L	0.0010	109	85	115			
Mercury	0.00551	mg/L	0.0010	109	85	115			
Nickel	0.0537	mg/L	0.0010	107	85	115			
Thorium 232	0.0544	mg/L	0.0010	108	85	115			
Uranium	0.0550	mg/L	0.00030	110	85	115			
Sample ID: R08040058-001C	Post Digestion Spike		Run: SUB-C100187				04/25/08 20:28		
Arsenic	0.0515	mg/L	0.0010	101	70	130			
Cadmium	0.0487	mg/L	0.010	97	70	130			
Lead	0.0518	mg/L	0.050	104	70	130			
Mercury	0.00527	mg/L	0.0010	105	70	130			
Nickel	0.0479	mg/L	0.050	96	70	130			
Thorium 232	0.0530	mg/L	0.0010	106	70	130			
Uranium	0.0527	mg/L	0.00030	105	70	130			
Sample ID: R08040058-001C	Post Digestion Spike Duplicate		Run: SUB-C100187				04/25/08 20:34		
Arsenic	0.0517	mg/L	0.0010	101	70	130	0.3	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	1.8	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.1	20	
Mercury	0.00523	mg/L	0.0010	105	70	130	0.7	20	
Nickel	0.0479	mg/L	0.050	96	70	130	0.0	20	
Thorium 232	0.0524	mg/L	0.0010	105	70	130	1.1	20	
Uranium	0.0522	mg/L	0.00030	104	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100732		
Sample ID: LRB	Method Blank					Run: SUB-C100732			05/06/08 11:52
Silver	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank					Run: SUB-C100732			05/06/08 11:59
Silver	0.0211	mg/L	0.0010	105	85	115			
Sample ID: C08040928-001CMS4	Post Digestion Spike					Run: SUB-C100732			05/06/08 15:02
Silver	0.0129	mg/L	0.010	65	70	130			S
Sample ID: C08040928-001CMSD4	Post Digestion Spike Duplicate					Run: SUB-C100732			05/06/08 15:08
Silver	0.0134	mg/L	0.010	67	70	130	3.4	20	S
Method: E245.1							Batch: C_B_31952		
Sample ID: MB-31952	Method Blank					Run: SUB-C99797			04/16/08 15:32
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31952	Laboratory Fortified Blank					Run: SUB-C99797			04/16/08 15:34
Mercury	0.0020	mg/L	0.0010	101	85	115			
Sample ID: B08031990-003AMS	Sample Matrix Spike					Run: SUB-C99797			04/16/08 15:39
Mercury	0.0019	mg/L	0.0010	96	70	130			
Sample ID: B08031990-003AMSD	Sample Matrix Spike Duplicate					Run: SUB-C99797			04/16/08 15:41
Mercury	0.0019	mg/L	0.0010	93	70	130	3.2	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R34057		
Sample ID: LFB0804043239-3	Laboratory Fortified Blank			Run: DIONEX_080404A			04/04/08 18:07		
Chloride	4.88	mg/L	0.50	98	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.49	mg/L	0.10	100	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0804043239-4	Laboratory Fortified Blank			Run: DIONEX_080404A			04/04/08 18:22		
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.03	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.48	mg/L	0.10	99	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: R08040058-001AMS	Sample Matrix Spike			Run: DIONEX_080404A			04/04/08 19:09		
Chloride	257	mg/L	5.4	91	80	120			
Fluoride	108	mg/L	0.56	108	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	125	mg/L	2.9	100	80	120			
Sulfate	1030	mg/L	3.4	80	80	120			
Sample ID: R08040058-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080404A			04/04/08 19:24		
Chloride	247	mg/L	5.4	86	80	120	4.2	10	
Fluoride	103	mg/L	0.56	103	80	120	4.7	10	
Nitrogen, Nitrate as N	110	mg/L	1.3	88	80	120	4.9	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	4.5	10	
Sulfate	990	mg/L	3.4	75	80	120	3.8	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0428		
Sample ID: MB-GrAB-0428	Method Blank				Run: SUB-C100225			04/25/08 22:38	
Gross Alpha	-0.06	pCi/L							U
Gross Beta	-0.9	pCi/L							U
Sample ID: UNAT-GrAB-0428	Laboratory Control Sample				Run: SUB-C100225			04/26/08 10:51	
Gross Alpha	240	pCi/L	100		70	130			
Sample ID: Cs137-GrAB-0428	Laboratory Control Sample				Run: SUB-C100225			04/25/08 22:38	
Gross Beta	87	pCi/L	94		70	130			
Sample ID: C08040375-001AMS	Sample Matrix Spike				Run: SUB-C100225			04/25/08 22:38	
Gross Alpha	264	pCi/L	108		70	130			
Sample ID: C08040375-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100225			04/25/08 22:38	
Gross Alpha	259	pCi/L	106		70	130	1.9	14.1	
Sample ID: C08040375-001AMS	Sample Matrix Spike				Run: SUB-C100225			04/25/08 22:38	
Gross Beta	94.5	pCi/L	103		70	130			
Sample ID: C08040375-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100225			04/25/08 22:38	
Gross Beta	95.3	pCi/L	104		70	130	0.8	15.5	
Sample ID: C08040265-002EDUP	Sample Duplicate				Run: SUB-C100225			04/26/08 10:51	
Gross Alpha	40	pCi/L					2.3	37.6	
Gross Beta	17	pCi/L					37	54.9	
Method: E901.1							Batch: C_R99476		
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476			04/04/08 16:45	
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476			04/04/08 16:45	
Gross Gamma	ND	pCi/L							U
Sample ID: R08040058-001H	Sample Duplicate				Run: SUB-C99476			04/10/08 18:11	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18234
Sample ID: C08040215-001AMS	Sample Matrix Spike				Run: SUB-C100044				04/21/08 14:47
Radium 226	120	pCi/Filter		94	70	130			
Sample ID: C08040215-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100044				04/21/08 14:47
Radium 226	113	pCi/Filter		88	70	130	5.9	21.7	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100044				04/21/08 16:36
Radium 226	11	pCi/L		76	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100044				04/21/08 16:36
Radium 226	2	pCi/L							
Method: E903.0									Batch: C_RA226-2735
Sample ID: C08040334-002AMS	Sample Matrix Spike				Run: SUB-C100382				04/29/08 15:46
Radium 226	11	pCi/L		89	70	130			
Sample ID: C08040334-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100382				04/29/08 15:46
Radium 226	11	pCi/L		90	70	130	0.9	24.7	
Sample ID: MB-RA226-2735	Method Blank				Run: SUB-C100382				04/29/08 15:46
Radium 226	0.3	pCi/L							
Sample ID: LCS-RA226-2735	Laboratory Control Sample				Run: SUB-C100382				04/29/08 15:46
Radium 226	4.8	pCi/L		72	70	130			
Method: E907.0									Batch: C_18234
Sample ID: R08040058-001I	Sample Matrix Spike				Run: SUB-C99603				04/09/08 16:00
Thorium 230	10.3	pCi/L	0.20	83	70	130			
Sample ID: R08040058-001I	Sample Matrix Spike Duplicate				Run: SUB-C99603				04/09/08 16:00
Thorium 230	11.3	pCi/L	0.20	90	70	130	8.9	30	
Sample ID: LCS-R99603	Laboratory Control Sample				Run: SUB-C99603				04/09/08 16:00
Thorium 230	50.8	pCi/L	0.20	103	70	130			
Sample ID: MB-R99603	Method Blank				Run: SUB-C99603				04/09/08 16:00
Thorium 230	1	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R100081		
Sample ID: LCS-R100081	Laboratory Control Sample				Run: SUB-C100081		04/14/08 15:00		
Thorium 230	6.90	pCi/L	0.20	99	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C100081		04/14/08 15:00		
Thorium 230	16.0	pCi/L	0.20	99	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C100081		04/14/08 15:00		
Thorium 230	14.7	pCi/L	0.20	90	70	130	8.5	30	
Sample ID: MB-R100081	Method Blank				Run: SUB-C100081		04/14/08 15:00		
Thorium 230	1E-06	pCi/L							U
Method: E909.0M							Batch: C_18234		
Sample ID: C08040192-002IMS	Sample Matrix Spike				Run: SUB-C100050		04/10/08 11:00		
Lead 210	1200	pCi/L	1.0	104	70	130			
Sample ID: C08040192-002IMSD	Sample Matrix Spike Duplicate				Run: SUB-C100050		04/10/08 11:00		
Lead 210	980	pCi/L	1.0	82	70	130	23	30	
Sample ID: MB-R100050	Method Blank				Run: SUB-C100050		04/10/08 11:00		
Lead 210		pCi/L							U
Sample ID: LCS-R100050	Laboratory Control Sample				Run: SUB-C100050		04/10/08 11:00		
Lead 210	110	pCi/L	1.0	90	70	130			
Method: E909.0M							Batch: C_R100194		
Sample ID: C08040254-004BDUP	Sample Duplicate				Run: SUB-C100194		04/11/08 09:45		
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C100194		04/11/08 09:45		
Lead 210	600	pCi/L	1.0	101	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C100194		04/11/08 09:45		
Lead 210	590	pCi/L	1.0	100	70	130	1.2	30	
Sample ID: MB-R100194	Method Blank				Run: SUB-C100194		04/11/08 09:45		
Lead 210		pCi/L							U
Sample ID: LCS-R100194	Laboratory Control Sample				Run: SUB-C100194		04/11/08 09:45		
Lead 210	120	pCi/L	1.0	104	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_18234		
Sample ID: C08040246-003FMS	Sample Matrix Spike				Run: SUB-C100641		04/29/08 15:30		
Polonium 210	88	pCi/L	1.0	99	70	130			
Sample ID: C08040246-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C100641		04/29/08 15:30		
Polonium 210	87	pCi/L	1.0	98	70	130	1.6	30	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100641		04/29/08 15:30		
Polonium 210	180	pCi/L	1.0	101	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100641		04/29/08 15:30		
Polonium 210	2	pCi/L							
Method: RMO-3008							Batch: C_R99716		
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C99716		04/08/08 13:00		
Polonium 210	190	pCi/L	1.0	108	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C99716		04/08/08 13:00		
Polonium 210	180	pCi/L	1.0	101	70	130	6.2	30	
Sample ID: LCS-R99716	Laboratory Control Sample				Run: SUB-C99716		04/08/08 13:00		
Polonium 210	91	pCi/L	1.0	104	70	130			
Sample ID: MB-R99716	Method Blank				Run: SUB-C99716		04/08/08 13:00		
Polonium 210	0.8	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESTER		Project Name, PWS, Permit, Etc. Powder Tech Dairy, Butte		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: RESTER		Contact Name: Cory Foreman		Phone/Fax: 605-688-0310	Sampler: (Please Print) Eric Kraft
Invoice Address: RESTER		Invoice Contact & Phone: 11		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: <input type="checkbox"/> State: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: <input type="checkbox"/> NELAC		Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other		ANALYSIS REQUESTED	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	SEE ATTACHED Normal Turnaround (TAT)
1. Powder Tech Dairy		4/2/08	18:07	W	RUSH Contact ELI prior to RUSH sample submittal for changes and scheduling - See Instruction Page Comments: etc
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
Custody Record Must be Signed		Relinquished by (print): Eric Kraft	Date/Time: 4/3/08 09:10	Signature: [Signature]	Received by Laboratory: [Signature]
Sample Disposal: Return to Client		Lab Disposal:		Date/Time:	Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

June 24, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08040250

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 4/22/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040250-001	DewBurd GW694	04/21/08 12:24	04/22/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040250-002	DewBurd GW694	04/21/08 12:30	04/22/08	Aqueous	Same As Above
R08040250-003	DewBurd GW622	04/21/08 15:28	04/22/08	Aqueous	Same As Above
R08040250-004	DewBurd GW615	04/21/08 16:16	04/22/08	Aqueous	Same As Above
R08040250-005	DewBurd GW689	04/21/08 19:50	04/22/08	Aqueous	Same As Above
R08040250-006	DewBurd GW681	04/21/08 20:06	04/22/08	Aqueous	Same As Above
R08040250-007	DewBurd GW680	04/21/08 21:21	04/22/08	Aqueous	Same As Above



ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: _____

A handwritten signature in black ink, appearing to read "Linda Larson", written over a horizontal line.

Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	202	mg/L		5		1	A2320 B	04/23/08 08:47/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:47/mb
Bicarbonate as HCO3	246	mg/L		5		1	A2320 B	04/23/08 08:47/mb
Calcium	97.0	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Chloride	9	mg/L		1		5	E300.0	05/10/08 19:49/eli-g
Fluoride	0.2	mg/L		0.1		5	E300.0	05/10/08 19:49/eli-g
Magnesium	37.6	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 15:55/jmh
Potassium	13.0	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Silica	8.4	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Sodium	176	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Sulfate	512	mg/L		1		5	E300.0	05/10/08 19:49/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1370	umhos/cm		5.0		1	A2510 B	04/28/08 12:37/tb
Oxidation-Reduction Potential	360	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.94	s.u.		0.01		1	A4500-H B	04/28/08 10:29/tb
Sodium Adsorption Ratio (SAR)	3.8	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	04/22/08 13:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 22:29/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:29/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 13:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:29/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/05/08 13:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:29/eli-c
Manganese	0.15	mg/L		0.01		2	E200.7	05/05/08 13:59/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:29/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:29/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:06/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:29/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	05/05/08 22:29/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 1 of 28



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 13:59/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:25/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:30/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:01/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:27/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	19.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	15.7	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.3	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	4.2	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.4	pCi/L	U			1	E903.0	05/06/08 13:38/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	251	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	60.4	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 02:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 02:59/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 02:59/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 02:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 02:59/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	05/05/08 16:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Manganese	0.15	mg/L		0.01		1	E200.8	05/01/08 02:59/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:31/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 02:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 02:59/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 02:59/eli-c
Strontium	2.8	mg/L		0.1		1	E200.8	05/01/08 02:59/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/01/08 02:59/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 02:59/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.20					1	A1030 E	06/17/08 00:00/ADM
Anions	15.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	15.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	988	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc

Project: Edgemont

Lab ID: R08040250-001

Client Sample ID: DewBurd GW694

Report Date: 06/24/08

Collection Date: 04/21/08 12:24

Date Received: 04/22/08

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	204	mg/L		5		1	A2320 B	04/23/08 08:50/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:50/mb
Bicarbonate as HCO3	249	mg/L		5		1	A2320 B	04/23/08 08:50/mb
Calcium	98.8	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Chloride	9	mg/L		1		5	E300.0	05/10/08 20:01/eli-g
Fluoride	0.2	mg/L		0.1		5	E300.0	05/10/08 20:01/eli-g
Magnesium	38.4	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 15:56/jmh
Potassium	13.5	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Silica	8.3	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Sodium	180	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Sulfate	511	mg/L		1		5	E300.0	05/10/08 20:01/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	04/28/08 12:39/tb
Oxidation-Reduction Potential	350	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.84	s.u.		0.01		1	A4500-H B	04/28/08 10:30/tb
Sodium Adsorption Ratio (SAR)	3.9	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	990	mg/L		5		1	A2540 C	04/22/08 13:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 22:36/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:36/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:36/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:36/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 14:02/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:36/eli-c
Manganese	0.15	mg/L		0.01		2	E200.7	05/05/08 14:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:36/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:36/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:36/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/05/08 22:36/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:02/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:30/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:32/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:12/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:38/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	16.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	-2.4	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.1	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	3.7	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.2	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.55	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.09	pCi/L	U			1	E903.0	05/06/08 13:38/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	250	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	60.4	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:06/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:06/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:06/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:06/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:06/eli-c
Iron	0.12	mg/L		0.03		2	E200.7	05/05/08 16:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Manganese	0.15	mg/L		0.01		1	E200.8	05/01/08 03:06/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:33/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:06/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:06/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:06/eli-c
Strontium	2.8	mg/L		0.1		1	E200.8	05/01/08 03:06/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/01/08 03:06/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.23					1	A1030 E	06/17/08 00:00/ADM
Anions	15.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	16.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	996	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc

Project: Edgemont

Lab ID: R08040250-002

Client Sample ID: DewBurd GW694

Report Date: 06/24/08

Collection Date: 04/21/08 12:30

Date Received: 04/22/08

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	04/23/08 08:54/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:54/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	04/23/08 08:54/mb
Calcium	87.6	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Chloride	10	mg/L		1		5	E300.0	05/10/08 20:13/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 20:13/eli-g
Magnesium	32.0	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 15:59/jmh
Potassium	10.3	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Silica	7.5	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Sodium	175	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Sulfate	487	mg/L		1		5	E300.0	05/10/08 20:13/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1330	umhos/cm		5.0		1	A2510 B	04/28/08 12:29/tb
Oxidation-Reduction Potential	340	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.85	s.u.		0.01		1	A4500-H B	04/28/08 10:32/tb
Sodium Adsorption Ratio (SAR)	4.1	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	04/22/08 13:59/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 22:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:42/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:42/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:42/eli-c
Iron	0.03	mg/L		0.03		2	E200.7	05/05/08 14:05/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	05/05/08 22:42/eli-c
Manganese	0.18	mg/L		0.01		2	E200.7	05/05/08 14:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:42/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:42/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:42/eli-c
Uranium	0.0054	mg/L		0.0003		1	E200.8	05/05/08 22:42/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:05/eli-c
METALS - SUSPENDED								
Uranium	0.0008	mg/L		0.0003		1	E200.8	05/05/08 05:34/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.08	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:34/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:14/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	22.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	16.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	-4.1	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.1	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	2.7	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.6	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	2.8	pCi/L		1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226	0.9	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1090	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	69.4	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:12/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:12/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:36/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:12/eli-c
Iron	7.34	mg/L		0.03		2	E200.7	05/05/08 16:36/eli-c
Lead	0.026	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Manganese	0.23	mg/L		0.01		1	E200.8	05/01/08 03:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:36/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:12/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:12/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	05/01/08 03:12/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Uranium	0.0065	mg/L		0.0003		1	E200.8	05/01/08 03:12/eli-c
Zinc	0.22	mg/L		0.01		1	E200.8	05/01/08 03:12/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.01					1	A1030 E	06/17/08 00:00/ADM
Anions	14.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	931	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
DATA QUALITY									
TDS Balance (0.80 - 1.20)	1.01						1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	04/23/08 08:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:59/mb
Bicarbonate as HCO3	166	mg/L		5		1	A2320 B	04/23/08 08:59/mb
Calcium	73.0	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Chloride	4	mg/L		1		5	E300.0	05/10/08 20:24/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 20:24/eli-g
Magnesium	22.9	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:03/jmh
Potassium	8.7	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Silica	7.8	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Sodium	132	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Sulfate	371	mg/L		1		5	E300.0	05/10/08 20:24/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1040	umhos/cm		5.0		1	A2510 B	04/28/08 12:41/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.43	s.u.		0.01		1	A4500-H B	04/28/08 10:33/tb
Sodium Adsorption Ratio (SAR)	3.5	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	750	mg/L		5		1	A2540 C	04/22/08 14:00/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Arsenic	0.020	mg/L		0.001		1	E200.8	05/05/08 22:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:49/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:49/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:49/eli-c
Iron	0.79	mg/L		0.03		2	E200.7	05/05/08 14:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:49/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	05/05/08 14:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:49/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:49/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:26/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:49/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	05/05/08 22:49/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:09/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:38/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.06	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:36/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:16/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:43/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	2.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	12.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.2	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.90	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	2.0	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.2	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.52	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.2	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1180	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	70.1	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:19/eli-c
Arsenic	0.024	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:19/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:19/eli-c
Iron	1.35	mg/L		0.03		2	E200.7	05/05/08 16:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	05/01/08 03:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:38/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:19/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:19/eli-c
Strontium	1.4	mg/L		0.1		1	E200.8	05/01/08 03:19/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	05/01/08 03:19/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:19/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.26					1	A1030 E	06/17/08 00:00/ADM
Anions	10.6	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	715	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	04/23/08 09:02/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 09:02/mb
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	04/23/08 09:02/mb
Calcium	48.5	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Chloride	5	mg/L		1		5	E300.0	05/10/08 20:59/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/10/08 20:59/eli-g
Magnesium	16.8	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:04/jmh
Potassium	7.9	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Silica	8.0	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Sodium	180	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Sulfate	374	mg/L		1		5	E300.0	05/10/08 20:59/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1110	umhos/cm		5.0		1	A2510 B	04/28/08 12:43/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.02	s.u.		0.01		1	A4500-H B	04/28/08 10:34/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	760	mg/L		5		1	A2540 C	04/22/08 14:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 22:56/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:56/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:56/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:56/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 14:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:56/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	05/05/08 14:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:56/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:56/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:56/eli-c
Uranium	0.0037	mg/L		0.0003		1	E200.8	05/05/08 22:56/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:12/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:54/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:39/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:18/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:45/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	25.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	13.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	-2.4	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.1	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	4.2	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.3	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.71	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.02	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1540	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	72.3	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:26/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:26/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:26/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:26/eli-c
Iron	0.52	mg/L		0.03		2	E200.7	05/05/08 16:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/01/08 03:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:43/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:26/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:26/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:26/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	05/01/08 03:26/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Uranium	0.0040	mg/L		0.0003		1	E200.8	05/01/08 03:26/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:26/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.98					1	A1030 E	06/17/08 00:00/ADM
Anions	10.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	744	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	172	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Calcium	62.0	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Chloride	13	mg/L		1		5	E300.0	05/10/08 21:34/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 21:34/eli-g
Magnesium	25.0	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:05/jmh
Potassium	10	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Silica	7.2	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Sodium	204	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Sulfate	466	mg/L		1		5	E300.0	05/10/08 21:34/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1330	umhos/cm		5.0		1	A2510 B	04/28/08 12:44/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.02	s.u.		0.01		1	A4500-H B	04/28/08 10:35/tb
Sodium Adsorption Ratio (SAR)	5.5	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	04/22/08 14:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 23:03/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 23:03/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 23:03/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 23:03/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 14:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 23:03/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	05/05/08 14:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 23:03/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 23:03/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 23:03/eli-c
Uranium	0.0098	mg/L		0.0003		1	E200.8	05/05/08 23:03/eli-c

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:32/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:59/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:45/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:47/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1400	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	23.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	430	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	6.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	49.9	pCi/L		1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	9.0	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	3.5	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	377	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	3.4	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	3400	pCi/L		20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	110	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	16.7	pCi/L		1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	2.2	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.2	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	253000	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	623	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:53/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:53/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:46/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:53/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 16:46/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
Mercury	ND	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:50/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:53/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:53/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:53/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	05/01/08 03:53/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Uranium	0.0102	mg/L		0.0003		1	E200.8	05/01/08 03:53/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.67					1	A1030 E	06/17/08 00:00/ADM
Anions	13.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	903	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	262	mg/L		5		1	A2320 B	04/23/08 09:09/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 09:09/mb
Bicarbonate as HCO3	319	mg/L		5		1	A2320 B	04/23/08 09:09/mb
Calcium	368	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Chloride	11	mg/L		1		5	E300.0	05/10/08 21:46/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/10/08 21:46/eli-g
Magnesium	123	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:06/jmh
Potassium	19.2	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Silica	8.3	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Sodium	125	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Sulfate	1360	mg/L		1		10	E300.0	05/12/08 15:31/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2510	umhos/cm		5.0		1	A2510 B	04/28/08 12:48/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.56	s.u.		0.01		1	A4500-H B	04/28/08 10:37/tb
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	04/22/08 14:02/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Arsenic	0.007	mg/L		0.001		1	E200.8	05/05/08 23:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 23:09/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 23:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 23:09/eli-c
Iron	0.25	mg/L		0.03		2	E200.7	05/05/08 14:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 23:09/eli-c
Manganese	0.42	mg/L		0.01		2	E200.7	05/05/08 14:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 23:09/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 23:09/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:46/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 23:09/eli-c
Uranium	0.0303	mg/L		0.0003		1	E200.8	05/05/08 23:09/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:03/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:52/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:49/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4270	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	62.3	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	7.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	1390	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	17.7	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	9.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	32.0	pCi/L		1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.7	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1230	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	5.8	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	62	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.0	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.7	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226	1.6	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	81000	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	371	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 04:00/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 04:00/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/05/08 16:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 04:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 04:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 04:00/eli-c
Iron	0.29	mg/L		0.03		2	E200.7	05/05/08 16:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Manganese	0.44	mg/L		0.01		1	E200.8	05/01/08 04:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:53/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 04:00/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 04:00/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 04:00/eli-c
Strontium	7.3	mg/L		0.1		1	E200.8	05/01/08 04:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Uranium	0.0291	mg/L		0.0003		1	E200.8	05/01/08 04:00/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	05/01/08 04:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.770					1	A1030 E	06/17/08 00:00/ADM
Anions	33.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	34.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	2190	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
DATA QUALITY									
TDS Balance (0.80 - 1.20)	1.04						1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080423A-ALK-SEL-W							
Sample ID: LCS1_080423A	Laboratory Control Sample				Run: PH_COND1-R_080423A		04/23/08 08:40		
Alkalinity, Total as CaCO ₃	980	mg/L	5.0	98	90	110			
Sample ID: MBLK1_080423A	Method Blank				Run: PH_COND1-R_080423A		04/23/08 08:43		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08040273-003AMS	Sample Matrix Spike				Run: PH_COND1-R_080423A		04/23/08 09:25		
Alkalinity, Total as CaCO ₃	270	mg/L	5.0	100	80	120			
Sample ID: R08040273-003AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080423A		04/23/08 09:29		
Alkalinity, Total as CaCO ₃	268	mg/L	5.0	98	80	120	0.7	10	
Method: A2510 B		Batch: 080428_1_COND-PROBE-W							
Sample ID: LCS1-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B		04/28/08 11:49		
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B		04/28/08 11:50		
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B		04/28/08 11:51		
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080428	Method Blank				Run: PH_COND2-R_080428B		04/28/08 11:52		
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040250-002ADUP	Sample Duplicate				Run: PH_COND2-R_080428B		04/28/08 12:41		
Conductivity @ 25 C	1380	umhos/cm	5.0				0.0	10	
Method: A2540 C		Batch: 080422A-SLDS-TDS-W							
Sample ID: LCS1_080422A	Laboratory Control Sample				Run: BAL-4-R_080422E		04/22/08 13:53		
Solids, Total Dissolved TDS @ 180 C	230	mg/L	5.0	110	90	110			
Sample ID: MBLK1_080422A	Method Blank				Run: BAL-4-R_080422E		04/22/08 14:05		
Solids, Total Dissolved TDS @ 180 C	10	mg/L	3						
Sample ID: R08040250-007AMS	Sample Matrix Spike				Run: BAL-4-R_080422E		04/22/08 14:03		
Solids, Total Dissolved TDS @ 180 C	2500	mg/L	5.0	119	80	120			
Sample ID: R08040250-007AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080422E		04/22/08 14:04		
Solids, Total Dissolved TDS @ 180 C	2500	mg/L	5.0	116	80	120	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Analytical Run: SUB-C100349		
Sample ID: 288-66-6	Initial Calibration Verification Standard								04/29/08 12:37
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Method: A3114 B							Batch: C_SE3114-080429B		
Sample ID: MBLK	Method Blank								04/29/08 12:43
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample								04/29/08 12:45
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: R08040250-001E	Sample Matrix Spike								04/29/08 13:07
Selenium-IV	0.047	mg/L	0.0010	94	85	115			
Sample ID: R08040250-001E	Sample Matrix Spike Duplicate								04/29/08 13:10
Selenium-IV	0.048	mg/L	0.0010	96	85	115	2.7	10	
Sample ID: R08040287-001E	Sample Matrix Spike								04/29/08 13:31
Selenium-IV	0.049	mg/L	0.0010	98	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate								04/29/08 13:34
Selenium-IV	0.050	mg/L	0.0010	100	85	115	1.8	10	
Method: A3114 B							Batch: C_SE3114-080429D		
Sample ID: MBLK	Method Blank								04/29/08 16:10
Selenium	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample								04/29/08 16:12
Selenium	0.053	mg/L	0.0010	107	90	110			
Sample ID: R08040250-001E	Sample Matrix Spike								04/29/08 16:34
Selenium	0.054	mg/L	0.0010	109	85	115			
Sample ID: R08040250-001E	Sample Matrix Spike Duplicate								04/29/08 16:36
Selenium	0.054	mg/L	0.0010	109	85	115	0.1	10	
Sample ID: R08040287-001E	Sample Matrix Spike								04/29/08 16:58
Selenium	0.054	mg/L	0.0010	107	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate								04/29/08 17:00
Selenium	0.052	mg/L	0.0010	105	85	115	2.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: 080428_1_PH-W		
Sample ID: LCS_pH-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428A		04/28/08 10:25		
pH	6.93	s.u.	0.010	101	98.55	101.45			
Method: A4500-NH3 G							Batch: A2008-04-28_2_NH3_01		
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080428A		04/28/08 15:00		
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080428A		04/28/08 15:01		
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080428A		04/28/08 15:02		
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08040250-003BMS	Sample Matrix Spike				Run: TECHAA2-R_080428A		04/28/08 16:01		
Nitrogen, Ammonia as N	0.32	mg/L	0.10	115	80	120			
Sample ID: R08040250-003BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080428A		04/28/08 16:02		
Nitrogen, Ammonia as N	0.29	mg/L	0.10	104	80	120	8.9	10	
Method: D5072-92							Batch: C_R100290		
Sample ID: C08041066-001ADUP	Sample Duplicate				Run: SUB-C100290		04/24/08 13:29		
Radon 222	2010	pCi/L	100				3.5	30	
Sample ID: MB-R100290	Method Blank				Run: SUB-C100290		04/24/08 13:29		
Radon 222	20	pCi/L							
Sample ID: LCS-R100290	Laboratory Control Sample				Run: SUB-C100290		04/24/08 13:29		
Radon 222	304	pCi/L	100	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18421		
Sample ID: MB-18421	Method Blank				Run: SUB-C100675		05/05/08 16:12		
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Sample ID: LCS3-18421	Laboratory Control Sample				Run: SUB-C100675		05/05/08 16:15		
Boron	0.498	mg/L	0.10	100	85	115			
Iron	2.52	mg/L	0.030	101	85	115			
Sample ID: R08040250-007D	Sample Matrix Spike				Run: SUB-C100675		05/05/08 16:53		
Boron	0.597	mg/L	0.10	97	70	130			
Iron	2.81	mg/L	0.030	101	70	130			
Sample ID: R08040250-007D	Sample Matrix Spike Duplicate				Run: SUB-C100675		05/05/08 16:56		
Boron	0.590	mg/L	0.10	96	70	130	1.2	20	
Iron	2.75	mg/L	0.030	99	70	130	2.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.7							Batch: C_R100675			
Sample ID: MB-080505A	Method Blank		Run: SUB-C100675				05/05/08 10:34			
Silica	ND	mg/L	0.06							
Aluminum	ND	mg/L	0.008							
Boron	ND	mg/L	0.004							
Calcium	ND	mg/L	0.04							
Chromium	0.003	mg/L	0.003							
Iron	0.006	mg/L	0.002							
Magnesium	ND	mg/L	0.04							
Manganese	ND	mg/L	0.0004							
Molybdenum	ND	mg/L	0.01							
Potassium	ND	mg/L	0.08							
Sodium	ND	mg/L	0.06							
Vanadium	ND	mg/L	0.006							
Zinc	ND	mg/L	0.004							
Sample ID: LFB-080505A							Laboratory Fortified Blank		Run: SUB-C100675	05/05/08 10:37
Silica	0.97	mg/L	0.10	97	85	125				
Aluminum	0.96	mg/L	0.10	96	85	125				
Boron	0.99	mg/L	0.10	99	85	125				
Calcium	55	mg/L	0.50	110	85	125				
Chromium	0.99	mg/L	0.050	99	85	125				
Iron	0.97	mg/L	0.030	97	85	125				
Magnesium	53	mg/L	0.50	107	85	125				
Manganese	0.95	mg/L	0.010	95	85	125				
Molybdenum	1.0	mg/L	0.10	100	85	125				
Potassium	50	mg/L	0.50	100	85	125				
Sodium	51	mg/L	0.50	102	85	125				
Vanadium	1.0	mg/L	0.10	103	85	125				
Zinc	1.0	mg/L	0.010	102	85	125				
Sample ID: C08040699-001KMS2							Sample Matrix Spike		Run: SUB-C100675	05/05/08 11:04
Aluminum	4.44	mg/L	0.10	87	70	130				
Boron	4.80	mg/L	0.10	91	70	130				
Chromium	4.65	mg/L	0.050	91	70	130				
Iron	4.65	mg/L	0.030	90	70	130				
Manganese	4.70	mg/L	0.010	88	70	130				
Molybdenum	4.79	mg/L	0.10	94	70	130				
Vanadium	4.85	mg/L	0.10	95	70	130				
Zinc	4.90	mg/L	0.021	94	70	130				
Calcium	622	mg/L	1.0	91	70	130				
Magnesium	387	mg/L	1.0	91	70	130				
Potassium	251	mg/L	1.0	94	70	130				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R100675		
Sample ID: C08040699-001KMS2	Sample Matrix Spike			Run: SUB-C100675			05/05/08 11:04		
Silica	20.5	mg/L	0.29	74	70	130			
Sodium	364	mg/L	1.0	91	70	130			
Sample ID: C08040699-001KMSD2	Sample Matrix Spike Duplicate			Run: SUB-C100675			05/05/08 11:17		
Aluminum	4.85	mg/L	0.10	95	70	130	8.8	20	
Boron	5.27	mg/L	0.10	100	70	130	9.2	20	
Chromium	5.04	mg/L	0.050	99	70	130	8.1	20	
Iron	5.01	mg/L	0.030	97	70	130	7.5	20	
Manganese	5.07	mg/L	0.010	96	70	130	7.6	20	
Molybdenum	5.07	mg/L	0.10	100	70	130	5.8	20	
Vanadium	5.26	mg/L	0.10	103	70	130	8.3	20	
Zinc	5.24	mg/L	0.021	101	70	130	6.6	20	
Calcium	670	mg/L	1.0	110	70	130	7.5	20	
Magnesium	420	mg/L	1.0	104	70	130	8.2	20	
Potassium	268	mg/L	1.0	101	70	130	6.7	20	
Silica	22.2	mg/L	0.29	107	70	130	8.1	20	
Sodium	390	mg/L	1.0	102	70	130	6.9	20	
Sample ID: R08040250-005C	Sample Matrix Spike			Run: SUB-C100675			05/05/08 14:25		
Aluminum	1.92	mg/L	0.10	94	70	130			
Boron	2.08	mg/L	0.10	99	70	130			
Chromium	2.00	mg/L	0.050	98	70	130			
Iron	1.98	mg/L	0.030	97	70	130			
Manganese	1.97	mg/L	0.010	95	70	130			
Molybdenum	1.91	mg/L	0.10	94	70	130			
Vanadium	2.11	mg/L	0.10	104	70	130			
Zinc	2.10	mg/L	0.010	103	70	130			
Calcium	156	mg/L	1.0	105	70	130			
Magnesium	126	mg/L	1.0	108	70	130			
Potassium	110	mg/L	1.0	100	70	130			
Silica	9.99	mg/L	0.12	97	70	130			
Sodium	276	mg/L	1.0	94	70	130			
Sample ID: R08040250-005C	Sample Matrix Spike Duplicate			Run: SUB-C100675			05/05/08 14:28		
Aluminum	1.89	mg/L	0.10	93	70	130	1.7	20	
Boron	2.06	mg/L	0.10	98	70	130	0.8	20	
Chromium	1.97	mg/L	0.050	97	70	130	1.4	20	
Iron	1.95	mg/L	0.030	96	70	130	1.6	20	
Manganese	1.95	mg/L	0.010	94	70	130	1.2	20	
Molybdenum	1.90	mg/L	0.10	93	70	130	0.5	20	
Vanadium	2.08	mg/L	0.10	102	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7		Batch: C_R100675							
Sample ID: R08040250-005C	Sample Matrix Spike Duplicate			Run: SUB-C100675			05/05/08 14:28		
Zinc	2.06	mg/L	0.010	101	70	130	1.7	20	
Calcium	153	mg/L	1.0	102	70	130	1.8	20	
Magnesium	124	mg/L	1.0	105	70	130	2.0	20	
Potassium	108	mg/L	1.0	98	70	130	1.7	20	
Silica	10.0	mg/L	0.12	97	70	130	0.2	20	
Sodium	271	mg/L	1.0	89	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18421		
Sample ID: MB-18421	Method Blank		Run: SUB-C100440				05/01/08 01:04		
Antimony	0.0002	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Chromium	0.001	mg/L	5E-05						
Copper	0.0007	mg/L	0.0001						
Lead	2E-05	mg/L							
Manganese	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	4E-05	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.0009	mg/L	0.0003						
Sample ID: LCS3-18421	Laboratory Control Sample		Run: SUB-C100440				05/01/08 01:11		
Antimony	0.518	mg/L	0.050	104	85	115			
Arsenic	0.512	mg/L	0.0010	102	85	115			
Barium	0.522	mg/L	0.10	104	85	115			
Beryllium	0.242	mg/L	0.010	97	85	115			
Cadmium	0.257	mg/L	0.010	103	85	115			
Chromium	0.495	mg/L	0.050	99	85	115			
Copper	0.489	mg/L	0.010	98	85	115			
Lead	0.500	mg/L	0.050	100	85	115			
Manganese	2.58	mg/L	0.010	103	85	115			
Molybdenum	0.504	mg/L	0.10	101	85	115			
Nickel	0.500	mg/L	0.050	100	85	115			
Selenium	0.497	mg/L	0.0020	99	85	115			
Silver	0.0460	mg/L	0.010	92	85	115			
Strontium	0.505	mg/L	0.10	101	85	115			
Thallium	0.497	mg/L	0.10	99	85	115			
Uranium	0.486	mg/L	0.00032	97	85	115			
Zinc	0.498	mg/L	0.010	99	85	115			
Sample ID: R08040250-007D	Sample Matrix Spike		Run: SUB-C100440				05/01/08 04:06		
Antimony	0.502	mg/L	0.050	100	70	130			
Arsenic	0.488	mg/L	0.0010	96	70	130			
Barium	0.503	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18421		
Sample ID: R08040250-007D	Sample Matrix Spike			Run: SUB-C100440			05/01/08 04:06		
Beryllium	0.240	mg/L	0.010	96	70	130			
Cadmium	0.237	mg/L	0.010	95	70	130			
Chromium	0.469	mg/L	0.050	93	70	130			
Copper	0.462	mg/L	0.010	92	70	130			
Lead	0.471	mg/L	0.050	94	70	130			
Manganese	2.92	mg/L	0.010	99	70	130			
Molybdenum	0.483	mg/L	0.10	96	70	130			
Nickel	0.474	mg/L	0.050	94	70	130			
Selenium	0.461	mg/L	0.0020	92	70	130			
Silver	0.0432	mg/L	0.010	86	70	130			
Strontium	7.59	mg/L	0.10		70	130			A
Thallium	0.468	mg/L	0.10	94	70	130			
Uranium	0.504	mg/L	0.00032	95	70	130			
Zinc	0.486	mg/L	0.010	93	70	130			
Sample ID: R08040250-007D	Sample Matrix Spike Duplicate			Run: SUB-C100440			05/01/08 04:13		
Antimony	0.498	mg/L	0.050	100	70	130	0.7	20	
Arsenic	0.495	mg/L	0.0010	98	70	130	1.4	20	
Barium	0.513	mg/L	0.10	100	70	130	2.0	20	
Beryllium	0.229	mg/L	0.010	92	70	130	4.6	20	
Cadmium	0.237	mg/L	0.010	95	70	130	0.0	20	
Chromium	0.471	mg/L	0.050	94	70	130	0.6	20	
Copper	0.459	mg/L	0.010	91	70	130	0.6	20	
Lead	0.472	mg/L	0.050	94	70	130	0.2	20	
Manganese	2.95	mg/L	0.010	100	70	130	1.2	20	
Molybdenum	0.477	mg/L	0.10	95	70	130	1.3	20	
Nickel	0.464	mg/L	0.050	92	70	130	2.0	20	
Selenium	0.459	mg/L	0.0020	92	70	130	0.4	20	
Silver	0.0431	mg/L	0.010	86	70	130	0.2	20	
Strontium	7.67	mg/L	0.10		70	130	1.0	20	A
Thallium	0.471	mg/L	0.10	94	70	130	0.5	20	
Uranium	0.500	mg/L	0.00032	94	70	130	0.9	20	
Zinc	0.481	mg/L	0.010	92	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18450
Sample ID: MB-18450	Method Blank								05/05/08 05:17
Uranium	4E-05	mg/L	2E-05						
Sample ID: LCS1-18450	Laboratory Control Sample								05/05/08 05:21
Uranium	0.0505	mg/L	0.00030	96	80	120			
Sample ID: R08040287-003I	Post Digestion Spike								05/05/08 06:19
Uranium	0.0132	mg/L	0.00030	98	70	130			
Sample ID: R08040287-003I	Post Digestion Spike Duplicate								05/05/08 06:23
Uranium	0.0135	mg/L	0.00030	100	70	130	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100685		
Sample ID: LRB	Method Blank		Run: SUB-C100685				05/05/08 13:42		
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C100685				05/05/08 13:48		
Arsenic	0.0524	mg/L	0.0010	105	85	115			
Barium	0.0525	mg/L	0.0010	105	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Copper	0.0527	mg/L	0.0010	105	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Mercury	0.00519	mg/L	0.0010	104	85	115			
Nickel	0.0527	mg/L	0.0010	105	85	115			
Thorium 232	0.0509	mg/L	0.0010	102	85	115			
Uranium	0.0514	mg/L	0.00030	103	85	115			
Sample ID: R08040250-007C	Post Digestion Spike		Run: SUB-C100685				05/05/08 23:16		
Arsenic	0.0602	mg/L	0.0010	106	70	130			
Barium	0.0776	mg/L	0.10	107	70	130			
Cadmium	0.0480	mg/L	0.010	96	70	130			
Copper	0.0495	mg/L	0.010	94	70	130			
Lead	0.0529	mg/L	0.050	106	70	130			
Mercury	0.00511	mg/L	0.0010	102	70	130			
Nickel	0.0568	mg/L	0.050	107	70	130			
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0861	mg/L	0.00030	112	70	130			
Sample ID: R08040250-007C	Post Digestion Spike Duplicate		Run: SUB-C100685				05/05/08 23:23		
Arsenic	0.0629	mg/L	0.0010	111	70	130	4.3	20	
Barium	0.0776	mg/L	0.10	107	70	130	0.0	20	
Cadmium	0.0491	mg/L	0.010	98	70	130	2.3	20	
Copper	0.0518	mg/L	0.010	99	70	130	4.6	20	
Lead	0.0528	mg/L	0.050	105	70	130	0.2	20	
Mercury	0.00518	mg/L	0.0010	104	70	130	1.3	20	
Nickel	0.0635	mg/L	0.050	121	70	130	11	20	
Thorium 232	0.0560	mg/L	0.0010	112	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100685		
Sample ID: R08040250-007C	Post Digestion Spike Duplicate				Run: SUB-C100685			05/05/08 23:23	
Uranium	0.0857	mg/L	0.00030	111	70	130	0.5	20	
Sample ID: C08040936-001AMS	Sample Matrix Spike				Run: SUB-C100685			05/06/08 03:00	
Arsenic	0.56	mg/L	0.0010	104	70	130			
Barium	0.54	mg/L	0.0010	103	70	130			
Cadmium	0.50	mg/L	0.0010	101	70	130			
Copper	0.49	mg/L	0.0015	98	70	130			
Lead	0.52	mg/L	0.0010	104	70	130			
Mercury	0.053	mg/L	0.0010	105	70	130			
Nickel	0.50	mg/L	0.0010	98	70	130			
Thorium 232	0.53	mg/L	0.0010	107	70	130			
Uranium	0.53	mg/L	0.00032	106	70	130			
Sample ID: C08040936-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100685			05/06/08 03:07	
Arsenic	0.56	mg/L	0.0010	104	70	130	0.5	20	
Barium	0.54	mg/L	0.0010	104	70	130	0.8	20	
Cadmium	0.50	mg/L	0.0010	101	70	130	0.2	20	
Copper	0.50	mg/L	0.0015	99	70	130	1.8	20	
Lead	0.52	mg/L	0.0010	104	70	130	0.3	20	
Mercury	0.043	mg/L	0.0010	87	70	130	19	20	
Nickel	0.51	mg/L	0.0010	100	70	130	2.3	20	
Thorium 232	0.53	mg/L	0.0010	106	70	130	0.2	20	
Uranium	0.53	mg/L	0.00032	106	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100732		
Sample ID: LRB	Method Blank					Run: SUB-C100732			05/06/08 11:52
Silver	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank					Run: SUB-C100732			05/06/08 11:59
Silver	0.0211	mg/L	0.0010	105	85	115			
Sample ID: C08040928-001CMS4	Post Digestion Spike					Run: SUB-C100732			05/06/08 15:02
Silver	0.0129	mg/L	0.010	65	70	130			S
Sample ID: C08040928-001CMSD4	Post Digestion Spike Duplicate					Run: SUB-C100732			05/06/08 15:08
Silver	0.0134	mg/L	0.010	67	70	130	3.4	20	S
Sample ID: R08040287-001C	Post Digestion Spike					Run: SUB-C100732			05/07/08 01:51
Silver	0.0144	mg/L	0.010	72	70	130			
Sample ID: R08040287-001C	Post Digestion Spike Duplicate					Run: SUB-C100732			05/07/08 01:58
Silver	0.0151	mg/L	0.010	76	70	130	5.0	20	
Method: E245.1							Batch: C_B_32271		
Sample ID: MB-32271	Method Blank					Run: SUB-C100762			05/06/08 16:10
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32271	Laboratory Fortified Blank					Run: SUB-C100762			05/06/08 16:12
Mercury	0.0019	mg/L	0.0010	93	85	115			
Sample ID: B08050167-003CMS	Sample Matrix Spike					Run: SUB-C100762			05/06/08 16:22
Mercury	0.0019	mg/L	0.0010	97	70	130			
Sample ID: B08050167-003CMSD	Sample Matrix Spike Duplicate					Run: SUB-C100762			05/06/08 16:24
Mercury	0.0021	mg/L	0.0010	105	70	130	8.4	30	
Sample ID: B08050247-007DMS	Sample Matrix Spike					Run: SUB-C100762			05/06/08 16:55
Mercury	0.0020	mg/L	0.0010	102	70	130			
Sample ID: B08050247-007DMSD	Sample Matrix Spike Duplicate					Run: SUB-C100762			05/06/08 16:57
Mercury	0.0019	mg/L	0.0010	96	70	130	5.6	30	
Method: E245.1							Analytical Run: SUB-C100762		
Sample ID: QCS	Initial Calibration Verification Standard								05/06/08 14:51
Mercury	0.0020	mg/L	0.0010	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: G_R159465		
Sample ID: G08050354-007BMS	Sample Matrix Spike				Run: SUB-G159465		05/11/08 08:04		
Chloride	1060	mg/L	2.1	100	80	120			
Fluoride	99.9	mg/L	0.18	101	80	120			
Sample ID: G08050354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465		05/11/08 08:16		
Chloride	1080	mg/L	2.1	102	80	120	1.8	20	
Fluoride	102	mg/L	0.18	103	80	120	1.7	20	
Method: E300.0							Batch: G_R159560		
Sample ID: G08050374-001BMS	Sample Matrix Spike				Run: SUB-G159560		05/13/08 04:54		
Sulfate	385	mg/L	1.0	100	80	120			
Sample ID: G08050374-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159560		05/13/08 05:06		
Sulfate	382	mg/L	1.0	99	80	120	0.9	20	
Method: E353.2							Batch: A2008-04-23_3_NO2_01		
Sample ID: MBLK-2	Method Blank				Run: TECHAA1-R_080423A		04/23/08 18:53		
Nitrogen, Nitrite as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA1-R_080423A		04/23/08 19:06		
Nitrogen, Nitrite as N	0.249	mg/L	0.050	100	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA1-R_080423A		04/23/08 19:08		
Nitrogen, Nitrite as N	0.282	mg/L	0.050	113	90	110			S
Sample ID: R08040244-001BMS	Sample Matrix Spike				Run: TECHAA1-R_080423A		04/23/08 19:21		
Nitrogen, Nitrite as N	0.167	mg/L	0.050	67	90	110			S
Sample ID: R08040244-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA1-R_080423A		04/23/08 19:23		
Nitrogen, Nitrite as N	0.171	mg/L	0.050	68	90	110	2.4	10	S
Sample ID: R08040250-006AMS	Sample Matrix Spike				Run: TECHAA1-R_080423A		04/23/08 19:47		
Nitrogen, Nitrite as N	0.226	mg/L	0.050	90	90	110			
Sample ID: R08040250-006AMSD	Sample Matrix Spike Duplicate				Run: TECHAA1-R_080423A		04/23/08 19:49		
Nitrogen, Nitrite as N	0.196	mg/L	0.050	78	90	110	14	10	SR

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0439		
Sample ID: MB-GrAB-0439	Method Blank				Run: SUB-C100919			05/09/08 01:51	
Gross Alpha	-0.1	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: UNAT-GrAB-0439	Laboratory Control Sample				Run: SUB-C100919			05/09/08 01:51	
Gross Alpha	250	pCi/L	100		70	130			
Sample ID: Cs137-GrAB-0439	Laboratory Control Sample				Run: SUB-C100919			05/09/08 01:51	
Gross Beta	93	pCi/L	100		70	130			
Sample ID: C08041163-001BMS	Sample Matrix Spike				Run: SUB-C100919			05/09/08 01:51	
Gross Alpha	260	pCi/L	102		70	130			
Sample ID: C08041163-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100919			05/09/08 01:51	
Gross Alpha	240	pCi/L	96		70	130	6.6	15.8	
Sample ID: C08041163-001BMS	Sample Matrix Spike				Run: SUB-C100919			05/09/08 01:51	
Gross Beta	94	pCi/L	101		70	130			
Sample ID: C08041163-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100919			05/09/08 01:51	
Gross Beta	93	pCi/L	100		70	130	1.1	16.1	
Method: E901.1							Batch: C_R100708		
Sample ID: LCS-R100708	Laboratory Control Sample				Run: SUB-C100708			05/01/08 17:22	
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	109	70	130			
Sample ID: MB-R100708	Method Blank				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	ND	pCi/L							
Sample ID: C08041046-006ADUP	Sample Duplicate				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	480	pCi/L	20				12	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18450		
Sample ID: C08041110-001AMS	Sample Matrix Spike				Run: SUB-C100770			05/06/08 15:27	
Radium 226	125	pCi/Filter	101		70	130			
Sample ID: C08041110-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100770			05/06/08 15:27	
Radium 226	127	pCi/Filter	102		70	130	1.2	25.7	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100770			05/06/08 15:27	
Radium 226	13	pCi/L	109		70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100770			05/06/08 15:27	
Radium 226	-2	pCi/L							U
Method: E903.0							Batch: C_RA226-2771		
Sample ID: C08041060-002HMS	Sample Matrix Spike				Run: SUB-C101060			05/13/08 08:49	
Radium 226	12	pCi/L	90		70	130			
Sample ID: C08041060-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C101060			05/13/08 08:49	
Radium 226	12	pCi/L	93		70	130	2.4	21.9	
Sample ID: MB-RA226-2771	Method Blank				Run: SUB-C101060			05/13/08 13:15	
Radium 226	-0.03	pCi/L							U
Sample ID: LCS-RA226-2771	Laboratory Control Sample				Run: SUB-C101060			05/13/08 13:15	
Radium 226	5.3	pCi/L	83		70	130			
Method: E907.0							Batch: C_18450		
Sample ID: C08041060-004IMS	Sample Matrix Spike				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	21.6	pCi/L	0.20	98	70	130			
Sample ID: C08041060-004IMSD	Sample Matrix Spike Duplicate				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	18.9	pCi/L	0.20	82	70	130	13	30	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	47.0	pCi/L	0.20	98	70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	ND	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R100724		
Sample ID: LCS-R100724	Laboratory Control Sample				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	7.20	pCi/L	0.20	103	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	9.50	pCi/L	0.20	97	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike Duplicate				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	9.40	pCi/L	0.20	96	70	130	1.1	30	
Sample ID: MB-R100724	Method Blank				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	ND	pCi/L							
Method: E909.0M							Batch: C_18450		
Sample ID: C08041052-003BMS	Sample Matrix Spike				Run: SUB-C101784			05/16/08 07:00	
Lead 210	1000	pCi/L	1.0	85	70	130			
Sample ID: C08041052-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C101784			05/16/08 07:00	
Lead 210	1200	pCi/L	1.0	101	70	130	18	30	
Sample ID: MB-R101784	Method Blank				Run: SUB-C101784			05/16/08 07:00	
Lead 210	ND	pCi/L							
Sample ID: LCS-R101784	Laboratory Control Sample				Run: SUB-C101784			05/16/08 07:00	
Lead 210	130	pCi/L	1.0	106	70	130			
Method: E909.0M							Batch: C_R102446		
Sample ID: C08041052-001AMS	Sample Matrix Spike				Run: SUB-C102446			05/21/08 07:45	
Lead 210	460	pCi/L	1.0	78	70	130			
Sample ID: C08041052-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102446			05/21/08 07:45	
Lead 210	500	pCi/L	1.0	85	70	130	9.1	30	
Sample ID: C08041052-006ADUP	Sample Duplicate				Run: SUB-C102446			05/21/08 07:45	
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: MB-R102446	Method Blank				Run: SUB-C102446			05/21/08 07:45	
Lead 210	ND	pCi/L							
Sample ID: LCS-R102446	Laboratory Control Sample				Run: SUB-C102446			05/21/08 07:45	
Lead 210	130	pCi/L	1.0	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R100704		
Sample ID: R08040287-003I	Sample Matrix Spike				Run: SUB-C100704			05/01/08 14:15	
Polonium 210	88	pCi/L	1.0	107	70	130			
Sample ID: R08040287-003I	Sample Matrix Spike Duplicate				Run: SUB-C100704			05/01/08 14:15	
Polonium 210	89	pCi/L	1.0	107	70	130	0.8	30	
Sample ID: LCS-18424	Laboratory Control Sample				Run: SUB-C100704			05/01/08 14:15	
Polonium 210	180	pCi/L	1.0	102	70	130			
Sample ID: MB-18424	Method Blank				Run: SUB-C100704			05/01/08 14:15	
Polonium 210	0.5	pCi/L							U
Method: RMO-3008							Batch: C_R100887		
Sample ID: R08040250-007H	Sample Matrix Spike				Run: SUB-C100887			05/06/08 17:00	
Polonium 210	160	pCi/L	1.0	93	70	130			
Sample ID: R08040250-007H	Sample Matrix Spike Duplicate				Run: SUB-C100887			05/06/08 17:00	
Polonium 210	220	pCi/L	1.0	125	70	130	30	30	
Sample ID: LCS-R100887	Laboratory Control Sample				Run: SUB-C100887			05/06/08 17:00	
Polonium 210	93	pCi/L	1.0	106	70	130			
Sample ID: MB-R100887	Method Blank				Run: SUB-C100887			05/06/08 17:00	
Polonium 210	0.8	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: RESPEC		Project Name, PWS #, Permit #, Etc.: Pine Tail Derry Burdock	
Report Mail Address: RESPEC		Contact Name, Phone, Fax, E-mail: Cor. Foreman & Rep. Inc.	
Invoice Address: RESPEC		Invoice Contact & Phone #: Cor. Foreman & Rep. Inc.	
Report Required For: <input type="checkbox"/> POT/WWTP <input type="checkbox"/> DW <input type="checkbox"/> Other: _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC <input type="checkbox"/> A2LA <input type="checkbox"/> Level IV <input type="checkbox"/> Other: _____ EDD/EDT <input type="checkbox"/> Format: _____		ANALYSIS REQUESTED AD RAS GND	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other	
Collection Date		Collection Time	
Matrix		SEE ATTACHED	
Normal Turnaround (TAT)		RUSH Turnaround (TAT)	
Notify ELI prior to RUSH sample submittal for additional charges and scheduling		Comments: 60 DERR monthly - All GW	
Receipt by: _____ Signature _____ Match _____ Lab ID _____		Custody _____ Intact _____ Signature _____ Match _____ Lab ID _____	
1 Dew Burdock GW 694		Set 30 Schoolhouse NW	
2 Dew Burdock GW 694		Set 27 Schoolhouse NW	
3 Dew Burdock GW 622		Set 18 615 Fing NW	
4 Dew Burdock GW 615		Set 19 No. 2, NW	
5 Dew Burdock GW 689		Set 29 Derry North	
6 Dew Burdock GW 681		Set 1 Derry Ring	
7 Dew Burdock GW 680		Set 25 Burdock Ring	
8			
9			
10			
Custody Record MUST be Signed		Received by: _____ Signature _____ LABORATORY USE ONLY Date/Time: 4/22/08 8:45	
Relinquished by: _____ Signature _____ Date/Time: 4/22/08 8:45		Shipped by: _____ Signature _____ Date/Time: 4/22/08 8:45	
Sample Disposal: _____ Return to client: _____ Lab Disposal: _____		Purchase Order #: _____ ELI Quote #: _____	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.



ANALYTICAL SUMMARY REPORT

June 24, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08040287

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 4/23/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040287-001	DewBurd GW695	04/22/08 12:46	04/23/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040287-002	DewBurd GW688	04/22/08 13:26	04/23/08	Aqueous	Same As Above
R08040287-003	DewBurd GW3026	04/22/08 14:30	04/23/08	Aqueous	Same As Above
R08040287-004	DewBurd GW698	04/22/08 11:30	04/23/08	Aqueous	Same As Above
R08040287-005	DewBurd GW697	04/22/08 16:02	04/23/08	Aqueous	Same As Above



R08040287-006 DewBurd BLK01

04/22/08 15:57 04/23/08

Aqueous

Metals by ICP/ICPMS, Dissolved
Metals by ICP/ICPMS, Suspended
Metals by ICP/ICPMS, Total
Alkalinity
Conductivity
Mercury, Total
Selenium, Dissolved
Selenium, Dissolved
Selenium, Dissolved
Anions by Ion Chromatography
Nitrogen, Ammonia
Nitrogen, Nitrite
Nitrogen, Nitrate + Nitrite
Nitrogen, Nitrate Only
Oxidation Reduction Potential
pH
Digestion, Total Metals
Digestion, Total Metals
Dissolved Filtration
Digestion, Mercury by CVAA
Gross Alpha, Gross Beta
Gross Gamma, Dissolved
Lead 210, Dissolved
Lead 210, Suspended
Polonium 210, Dissolved
Polonium 210, Suspended
Radium 226, Dissolved
Radium 226, Suspended
Radon 222
Thorium, Isotopic
Thorium, Suspended Isotopic
Sodium Adsorption Ratio
Solids, Total Dissolved



R08040287-007 DewBurd GW696

04/22/08 16:58 04/23/08

Aqueous

Metals by ICP/ICPMS, Dissolved
Metals by ICP/ICPMS, Suspended
Metals by ICP/ICPMS, Total
Alkalinity
Anion - Cation Balance
Conductivity
Mercury, Total
Selenium, Dissolved
Selenium, Dissolved
Selenium, Dissolved
Anions by Ion Chromatography
Nitrogen, Ammonia
Nitrogen, Nitrite
Nitrogen, Nitrate + Nitrite
Nitrogen, Nitrate Only
Oxidation Reduction Potential
pH
Digestion, Total Metals
Digestion, Total Metals
Dissolved Filtration
Digestion, Mercury by CVAA
Gross Alpha, Gross Beta
Gross Gamma, Dissolved
Lead 210, Dissolved
Lead 210, Suspended
Polonium 210, Dissolved
Polonium 210, Suspended
Radium 226, Dissolved
Radium 226, Suspended
Radon 222
Thorium, Isotopic
Thorium, Suspended Isotopic
Sodium Adsorption Ratio
Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	04/25/08 15:21/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:21/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	04/25/08 15:21/mb
Calcium	50.1	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Chloride	11	mg/L		1		5	E300.0	05/10/08 21:58/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 21:58/eli-g
Magnesium	17.6	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:23/jmh
Potassium	8.4	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Sodium	251	mg/L	D	2		2	E200.7	05/08/08 21:29/eli-c
Sulfate	504	mg/L		1		5	E300.0	05/10/08 21:58/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1370	umhos/cm		5.0		1	A2510 B	04/28/08 12:49/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.08	s.u.		0.01		1	A4500-H B	04/28/08 10:42/tb
Sodium Adsorption Ratio (SAR)	7.8	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	04/24/08 16:44/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:29/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 01:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 01:44/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 01:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 01:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 01:44/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/08/08 21:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 01:44/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	05/07/08 01:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 01:44/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 01:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 01:44/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:56/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 01:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 01:44/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	05/07/08 01:44/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 01:44/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 01:44/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:07/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.06	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:15/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:56/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	29.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	4.2	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	6.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-1.8	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	5.0	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.1	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.4	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1400	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	64.0	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:04/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:04/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/06/08 19:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 23:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:04/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:04/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	05/08/08 23:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	05/05/08 16:04/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:00/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:04/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:04/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	05/05/08 16:04/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Uranium	0.0032	mg/L		0.0003		1	E200.8	05/05/08 16:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:04/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.68					1	A1030 E	06/18/08 00:00/ADM
Anions	14.3	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	15.1	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	957	mg/L				1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	90	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Carbonate as CO3	17	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Bicarbonate as HCO3	76	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Calcium	50.1	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Chloride	10	mg/L		1		5	E300.0	05/10/08 22:09/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/10/08 22:09/eli-g
Magnesium	20.5	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:24/jmh
Potassium	12.2	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Silica	3.7	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Sodium	197	mg/L	D	2		2	E200.7	05/08/08 21:33/eli-c
Sulfate	390	mg/L		1		5	E300.0	05/10/08 22:09/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1070	umhos/cm		5.0		1	A2510 B	04/28/08 12:50/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/24/08 00:00/tb
pH	9.15	s.u.		0.01		1	A4500-H B	04/28/08 10:43/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	690	mg/L		5		1	A2540 C	04/24/08 16:45/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:33/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/07/08 02:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:05/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:05/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/08/08 21:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:05/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/07/08 02:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:05/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:05/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:05/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:05/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:05/eli-c
- The result for Manganese was confirmed by re-analysis.								
METALS - SUSPENDED								
Uranium	0.0147	mg/L		0.0003		1	E200.8	05/05/08 06:11/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:21/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:36/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:02/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	10.1	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	16.9	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-2.7	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.8	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.9	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.1	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226	0.02	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	15.9	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	1.4	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	307	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	51.1	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:10/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:10/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/06/08 20:06/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 00:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:10/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/09/08 00:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Manganese	0.01	mg/L		0.01		1	E200.8	05/05/08 16:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:02/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:10/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:10/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:10/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	05/05/08 16:10/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 16:10/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:10/eli-c

- The result for Manganese was confirmed by re-analysis.

DATA QUALITY

A/C Balance (± 5)	12.1					1	A1030 E	06/18/08 00:00/ADM
Anions	10.2	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	13.1	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	744	mg/L				1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc

Project: Edgemont

Lab ID: R08040287-002

Client Sample ID: DewBurd GW688

Report Date: 06/24/08

Collection Date: 04/22/08 13:26

Date Received: 04/23/08

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.920					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	126	mg/L		5		1	A2320 B	04/25/08 15:28/mb
Carbonate as CO3	10	mg/L		5		1	A2320 B	04/25/08 15:28/mb
Bicarbonate as HCO3	134	mg/L		5		1	A2320 B	04/25/08 15:28/mb
Calcium	331	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Chloride	16	mg/L		1		5	E300.0	05/10/08 22:21/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 22:21/eli-g
Magnesium	86.8	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Nitrogen, Ammonia as N	0.8	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:30/jmh
Potassium	23.7	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Silica	2.1	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Sodium	284	mg/L	D	2		2	E200.7	05/08/08 21:37/eli-c
Sulfate	1520	mg/L		1		10	E300.0	05/12/08 15:43/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2730	umhos/cm		5.0		1	A2510 B	04/28/08 12:51/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.49	s.u.		0.01		1	A4500-H B	04/28/08 10:46/tb
Sodium Adsorption Ratio (SAR)	3.6	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	04/24/08 16:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:37/eli-c
Arsenic	0.012	mg/L		0.001		1	E200.8	05/07/08 02:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:12/eli-c
Iron	2.67	mg/L		0.03		2	E200.7	05/08/08 21:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:12/eli-c
Manganese	0.36	mg/L		0.01		1	E200.8	05/07/08 02:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:12/eli-c
Molybdenum	0.1	mg/L		0.1		1	E200.8	05/07/08 02:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:12/eli-c
Uranium	0.0150	mg/L		0.0003		1	E200.8	05/07/08 02:12/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:12/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	05/07/08 02:12/eli-c
METALS - SUSPENDED								
Uranium	0.0010	mg/L		0.0003		1	E200.8	05/05/08 06:15/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.09	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:23/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:39/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:04/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	43.8	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	8.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	8.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	24.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	6.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	2.8	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-8.2	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
RADIONUCLIDES - SUSPENDED									
Radium 226	0.1	pCi/L	U				1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L					1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.4	pCi/L					1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2			1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L					1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	304	pCi/L		100			1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	50.7	pCi/L					1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			1	E200.8	05/05/08 16:37/eli-c
Arsenic	0.022	mg/L		0.001			1	E200.8	05/05/08 16:37/eli-c
Barium	ND	mg/L		0.1			1	E200.8	05/05/08 16:37/eli-c
Beryllium	ND	mg/L		0.001			1	E200.8	05/06/08 20:13/eli-c
Boron	ND	mg/L		0.1			2	E200.7	05/09/08 00:11/eli-c
Cadmium	ND	mg/L		0.005			1	E200.8	05/05/08 16:37/eli-c
Chromium	ND	mg/L		0.05			1	E200.8	05/05/08 16:37/eli-c
Copper	ND	mg/L		0.01			1	E200.8	05/05/08 16:37/eli-c
Iron	5.38	mg/L		0.03			2	E200.7	05/09/08 00:11/eli-c
Lead	ND	mg/L		0.001			1	E200.8	05/05/08 16:37/eli-c
Manganese	0.46	mg/L		0.01			1	E200.8	05/05/08 16:37/eli-c
Mercury	ND	mg/L		0.001			1	E200.8	05/05/08 16:37/eli-c
Mercury	ND	mg/L		0.001			1	E245.1	05/06/08 17:05/eli-b
Molybdenum	0.1	mg/L		0.1			1	E200.8	05/05/08 16:37/eli-c
Nickel	ND	mg/L		0.05			1	E200.8	05/05/08 16:37/eli-c
Selenium	0.002	mg/L		0.001			1	E200.8	05/05/08 16:37/eli-c
Silver	ND	mg/L		0.005			1	E200.8	05/05/08 16:37/eli-c
Strontium	6.3	mg/L		0.1			1	E200.8	05/05/08 16:37/eli-c
Thallium	ND	mg/L		0.001			1	E200.8	05/05/08 16:37/eli-c
Uranium	0.0196	mg/L		0.0003			1	E200.8	05/05/08 16:37/eli-c
Zinc	0.01	mg/L		0.01			1	E200.8	05/05/08 16:37/eli-c
DATA QUALITY									
A/C Balance (± 5)	3.12						1	A1030 E	06/18/08 00:00/ADM
Anions	34.6	meq/L					1	A1030 E	06/18/08 00:00/ADM
Cations	36.8	meq/L					1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	2340	mg/L					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	120	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Bicarbonate as HCO3	146	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Calcium	366	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Chloride	9	mg/L		1		5	E300.0	05/10/08 22:33/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/10/08 22:33/eli-g
Magnesium	129	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:33/jmh
Potassium	15.6	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Silica	4.8	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Sodium	89	mg/L	D	2		2	E200.7	05/08/08 21:41/eli-c
Sulfate	1450	mg/L		1		10	E300.0	05/12/08 15:54/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2420	umhos/cm		5.0		1	A2510 B	04/28/08 12:53/tb
Oxidation-Reduction Potential	110	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.15	s.u.		0.01		1	A4500-H B	04/28/08 10:48/tb
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	04/24/08 16:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:41/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 02:18/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:18/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:18/eli-c
Iron	2.49	mg/L		0.03		2	E200.7	05/08/08 21:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:18/eli-c
Manganese	2.39	mg/L		0.01		1	E200.8	05/07/08 02:18/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:18/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:18/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:18/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:18/eli-c
Uranium	0.110	mg/L		0.0003		1	E200.8	05/07/08 02:18/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:18/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:18/eli-c
METALS - SUSPENDED								
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/05/08 06:48/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.09	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:26/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2110	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	46.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	8.3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	604	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	12.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-3.5	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.8	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	370	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	3.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	680	pCi/L		20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	54	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.48	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	6.4	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	25800	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	193	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:44/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:44/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 21:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 00:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:44/eli-c
Iron	4.53	mg/L		0.03		2	E200.7	05/09/08 00:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Manganese	2.50	mg/L		0.01		1	E200.8	05/05/08 16:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:07/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:44/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:44/eli-c
Strontium	5.2	mg/L		0.1		1	E200.8	05/05/08 16:44/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Uranium	0.119	mg/L		0.0003		1	E200.8	05/05/08 16:44/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:44/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.920					1	A1030 E	06/18/08 00:00/ADM
Anions	32.8	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	33.4	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	2140	mg/L				1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/18/08 00:00/ADM

Report
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	04/25/08 15:44/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:44/mb
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	04/25/08 15:44/mb
Calcium	50.6	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Chloride	8	mg/L		1		5	E300.0	05/10/08 22:44/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/10/08 22:44/eli-g
Magnesium	17.3	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:34/jmh
Potassium	8.5	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Sodium	215	mg/L	D	2		2	E200.7	05/08/08 22:42/eli-c
Sulfate	430	mg/L		1		5	E300.0	05/10/08 22:44/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	04/28/08 12:54/tb
Oxidation-Reduction Potential	320	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.07	s.u.		0.01		1	A4500-H B	04/28/08 10:49/tb
Sodium Adsorption Ratio (SAR)	6.6	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	810	mg/L		5		1	A2540 C	04/25/08 13:10/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	05/08/08 13:28/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 02:25/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:25/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 22:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:25/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:25/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:25/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/08/08 22:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:25/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	05/07/08 02:25/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:25/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:25/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:25/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:25/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:25/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:25/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:25/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:52/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:28/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:43/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:09/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	8.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-0.7	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1.7	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.2	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.1	pCi/L	U			1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	284	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	49.9	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:51/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:51/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 21:34/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 01:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:51/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:51/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/09/08 01:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/05/08 16:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:09/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:51/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:51/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	05/05/08 16:51/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 16:51/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:51/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.91					1	A1030 E	06/18/08 00:00/ADM
Anions	12.5	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	13.5	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	840	mg/L				1	A1030 E	06/18/08 00:00/ADM

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-006
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/22/08 15:57
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	ND	mg/L		5		1	A2320 B	04/25/08 15:46/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	04/25/08 15:46/mb
Bicarbonate as HCO ₃	ND	mg/L		5		1	A2320 B	04/25/08 15:46/mb
Calcium	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Chloride	ND	mg/L		1		1	E300.0	05/10/08 22:56/eli-g
Fluoride	ND	mg/L		0.1		1	E300.0	05/10/08 22:56/eli-g
Magnesium	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	04/28/08 16:36/jmh
Potassium	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Silica	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Sodium	ND	mg/L	D	2		2	E200.7	05/08/08 22:50/eli-c
Sulfate	ND	mg/L		1		1	E300.0	05/10/08 22:56/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	04/28/08 12:56/tb
Oxidation-Reduction Potential	350	mV				1	A2580 B	04/24/08 00:00/tb
pH	5.67	s.u.		0.01		1	A4500-H B	04/28/08 10:51/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	0	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	6	mg/L		5		1	A2540 C	04/24/08 16:48/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 22:50/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 02:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 22:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/08/08 22:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:32/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	05/07/08 02:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:32/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:32/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:32/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:32/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-006
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/22/08 15:57
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:32/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:56/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:30/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:11/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	-0.04	pCi/L	U			1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	1	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	-3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.3	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.7	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.45	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-006
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/22/08 15:57
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
RADIONUCLIDES - SUSPENDED									
Radium 226	-0.2	pCi/L	U				1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.2	pCi/L					1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.4	pCi/L					1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.4	pCi/L		0.2			1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L					1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	121	pCi/L		100			1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	47.8	pCi/L					1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			1	E200.8	05/05/08 16:58/eli-c
Arsenic	ND	mg/L		0.001			1	E200.8	05/05/08 16:58/eli-c
Barium	ND	mg/L		0.1			1	E200.8	05/05/08 16:58/eli-c
Beryllium	ND	mg/L		0.001			1	E200.8	05/07/08 21:41/eli-c
Boron	ND	mg/L		0.1			2	E200.7	05/09/08 01:12/eli-c
Cadmium	ND	mg/L		0.005			1	E200.8	05/05/08 16:58/eli-c
Chromium	ND	mg/L		0.05			1	E200.8	05/05/08 16:58/eli-c
Copper	ND	mg/L		0.01			1	E200.8	05/05/08 16:58/eli-c
Iron	ND	mg/L		0.03			2	E200.7	05/09/08 01:12/eli-c
Lead	ND	mg/L		0.001			1	E200.8	05/05/08 16:58/eli-c
Manganese	ND	mg/L		0.01			1	E200.8	05/05/08 16:58/eli-c
Mercury	ND	mg/L		0.001			1	E200.8	05/05/08 16:58/eli-c
Mercury	ND	mg/L		0.001			1	E245.1	05/06/08 17:12/eli-b
Molybdenum	ND	mg/L		0.1			1	E200.8	05/05/08 16:58/eli-c
Nickel	ND	mg/L		0.05			1	E200.8	05/05/08 16:58/eli-c
Selenium	ND	mg/L		0.001			1	E200.8	05/05/08 16:58/eli-c
Silver	ND	mg/L		0.005			1	E200.8	05/05/08 16:58/eli-c
Strontium	ND	mg/L		0.1			1	E200.8	05/05/08 16:58/eli-c
Thallium	ND	mg/L		0.001			1	E200.8	05/05/08 16:58/eli-c
Uranium	ND	mg/L		0.0003			1	E200.8	05/05/08 16:58/eli-c
Zinc	ND	mg/L		0.01			1	E200.8	05/05/08 16:58/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	182	mg/L		5		1	A2320 B	04/25/08 15:49/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:49/mb
Bicarbonate as HCO3	222	mg/L		5		1	A2320 B	04/25/08 15:49/mb
Calcium	29.9	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Chloride	12	mg/L		1		5	E300.0	05/10/08 23:08/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/10/08 23:08/eli-g
Magnesium	10.4	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:37/jmh
Potassium	9.3	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Sodium	293	mg/L	D	2		2	E200.7	05/08/08 22:54/eli-c
Sulfate	475	mg/L		1		5	E300.0	05/10/08 23:08/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1410	umhos/cm		5.0		1	A2510 B	04/28/08 12:58/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.47	s.u.		0.01		1	A4500-H B	04/28/08 10:52/tb
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	04/24/08 16:48/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 22:54/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 02:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:39/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 22:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:39/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:39/eli-c
Iron	0.07	mg/L		0.03		2	E200.7	05/08/08 22:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:39/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/07/08 02:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:39/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:39/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:39/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 07:00/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:32/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:13/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.2	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	10.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	4.1	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-4.9	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.8	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.5	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.55	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.2	pCi/L	U			1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	185	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	48.3	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 17:04/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 17:04/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 22:11/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 01:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 17:04/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 17:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 17:04/eli-c
Iron	0.08	mg/L		0.03		2	E200.7	05/09/08 01:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/05/08 17:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:19/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 17:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 17:04/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 17:04/eli-c
Strontium	0.8	mg/L		0.1		1	E200.8	05/05/08 17:04/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 17:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 17:04/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.13					1	A1030 E	06/18/08 00:00/ADM
Anions	13.9	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	15.4	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	951	mg/L				1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080425A-ALK-SEL-W							
Sample ID: LCS1_080425A	Laboratory Control Sample				Run: PH_COND1-R_080425B		04/25/08 15:16		
Alkalinity, Total as CaCO ₃	952	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080425A	Method Blank				Run: PH_COND1-R_080425B		04/25/08 15:18		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08040290-005BMS	Sample Matrix Spike				Run: PH_COND1-R_080425B		04/25/08 16:14		
Alkalinity, Total as CaCO ₃	1220	mg/L	5.0	115	80	120			
Sample ID: R08040290-005BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080425B		04/25/08 16:18		
Alkalinity, Total as CaCO ₃	1240	mg/L	5.0	121	80	120	1.0	10	S
Method: A2510 B		Batch: 080428_1_COND-PROBE-W							
Sample ID: LCS1-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B		04/28/08 11:49		
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B		04/28/08 11:50		
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B		04/28/08 11:51		
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080428	Method Blank				Run: PH_COND2-R_080428B		04/28/08 11:52		
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040287-005ADUP	Sample Duplicate				Run: PH_COND2-R_080428B		04/28/08 12:56		
Conductivity @ 25 C	1240	umhos/cm	5.0				0.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C		Batch: 080424A-SLDS-TDS-W							
Sample ID: LCS1_080424A	Laboratory Control Sample				Run: BAL-4-R_080424B			04/24/08 16:32	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	104	90	110			
Sample ID: MBLK1_080424A	Method Blank				Run: BAL-4-R_080424B			04/24/08 16:33	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040273-002AMS	Sample Matrix Spike				Run: BAL-4-R_080424B			04/24/08 16:40	
Solids, Total Dissolved TDS @ 180 C	350	mg/L	5.0	102	80	120			
Sample ID: R08040273-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080424B			04/24/08 16:40	
Solids, Total Dissolved TDS @ 180 C	350	mg/L	5.0	104	80	120	1.1	10	
Sample ID: R08040290-009BMS	Sample Matrix Spike				Run: BAL-4-R_080424B			04/24/08 16:52	
Solids, Total Dissolved TDS @ 180 C	18000	mg/L	5.0	232	80	120			S
Sample ID: R08040290-009BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080424B			04/24/08 16:53	
Solids, Total Dissolved TDS @ 180 C	18000	mg/L	5.0	252	80	120	0.2	10	S
Method: A3114 B		Analytical Run: SUB-C100349							
Sample ID: 288-66-6	Initial Calibration Verification Standard							04/29/08 12:37	
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Method: A3114 B		Batch: C_SE3114-080429B							
Sample ID: MBLK	Method Blank				Run: SUB-C100349			04/29/08 12:43	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: SUB-C100349			04/29/08 12:45	
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: R08040287-001E	Sample Matrix Spike				Run: SUB-C100349			04/29/08 13:31	
Selenium-IV	0.049	mg/L	0.0010	98	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate				Run: SUB-C100349			04/29/08 13:34	
Selenium-IV	0.050	mg/L	0.0010	100	85	115	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080429D		
Sample ID: MBLK	Method Blank					Run: SUB-C100378			04/29/08 16:10
Selenium	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample					Run: SUB-C100378			04/29/08 16:12
Selenium	0.053	mg/L	0.0010	107	90	110			
Sample ID: R08040287-001E	Sample Matrix Spike					Run: SUB-C100378			04/29/08 16:58
Selenium	0.054	mg/L	0.0010	107	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate					Run: SUB-C100378			04/29/08 17:00
Selenium	0.052	mg/L	0.0010	105	85	115	2.3	10	
Method: A4500-H B							Batch: 080428_1_PH-W		
Sample ID: LCS_pH-1_080428	Laboratory Control Sample					Run: PH_COND2-R_080428A			04/28/08 10:25
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040287-002ADUP	Sample Duplicate					Run: PH_COND2-R_080428A			04/28/08 10:45
pH	9.16	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2008-04-28_2_NH3_01							
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080428A			04/28/08 15:00
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080428A			04/28/08 15:01
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080428A			04/28/08 15:02
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08040273-003CMS	Sample Matrix Spike					Run: TECHAA2-R_080428A			04/28/08 16:15
Nitrogen, Ammonia as N	0.21	mg/L	0.10	86	80	120			
Sample ID: R08040273-003CMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080428A			04/28/08 16:16
Nitrogen, Ammonia as N	0.24	mg/L	0.10	94	80	120	9.8	10	
Sample ID: R08040287-003BMS	Sample Matrix Spike					Run: TECHAA2-R_080428A			04/28/08 16:31
Nitrogen, Ammonia as N	1.0	mg/L	0.10	89	80	120			
Sample ID: R08040287-003BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080428A			04/28/08 16:32
Nitrogen, Ammonia as N	1.0	mg/L	0.10	81	80	120	2.0	10	
Sample ID: R08040290-004EMS	Sample Matrix Spike					Run: TECHAA2-R_080428A			04/28/08 17:01
Nitrogen, Ammonia as N	0.89	mg/L	0.10	55	80	120			S
Sample ID: R08040290-004EMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080428A			04/28/08 17:02
Nitrogen, Ammonia as N	0.94	mg/L	0.10	77	80	120	6.0	10	S
Method: D5072-92		Batch: C_R100290							
Sample ID: C08041066-001ADUP	Sample Duplicate					Run: SUB-C100290			04/24/08 13:29
Radon 222	2010	pCi/L	100				3.5	30	
Sample ID: MB-R100290	Method Blank					Run: SUB-C100290			04/24/08 13:29
Radon 222	20	pCi/L							
Sample ID: LCS-R100290	Laboratory Control Sample					Run: SUB-C100290			04/24/08 13:29
Radon 222	304	pCi/L	100	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18465		
Sample ID: MB-18465	Method Blank		Run: SUB-C100898				05/08/08 23:51		
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-18465	Laboratory Control Sample		Run: SUB-C100898				05/08/08 23:55		
Boron	0.499	mg/L	0.10	100	85	115			
Iron	2.85	mg/L	0.030	114	85	115			
Sample ID: C08041226-001B MS3	Sample Matrix Spike		Run: SUB-C100898				05/09/08 01:28		
Boron	5.98	mg/L	0.10		70	130			A
Iron	2.59	mg/L	0.043	104	70	130			
Sample ID: C08041226-001B MSD3	Sample Matrix Spike Duplicate		Run: SUB-C100898				05/09/08 01:32		
Boron	5.81	mg/L	0.10		70	130	2.9	20	A
Iron	2.53	mg/L	0.043	101	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R100898		
Sample ID: MB-080508A	Method Blank		Run: SUB-C100898				05/08/08 13:02		
Silica	0.02	mg/L							
Aluminum	ND	mg/L	0.004						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080508A	Laboratory Fortified Blank		Run: SUB-C100898				05/08/08 13:06		
Silica	0.31	mg/L	0.10	57	85	125			S
Aluminum	0.95	mg/L	0.10	95	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	54	mg/L	0.50	108	85	125			
Iron	1.1	mg/L	0.030	106	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Potassium	46	mg/L	0.50	93	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Sample ID: R08040287-004C	Sample Matrix Spike		Run: SUB-C100898				05/08/08 21:45		
Aluminum	2.06	mg/L	0.10	100	70	130			
Boron	2.17	mg/L	0.10	104	70	130			
Iron	4.56	mg/L	0.030	101	70	130			
Calcium	466	mg/L	1.0	98	70	130			
Magnesium	232	mg/L	1.0	102	70	130			
Potassium	109	mg/L	1.0	91	70	130			
Silica	6.57	mg/L	0.10	88	70	130			
Sodium	191	mg/L	1.5	99	70	130			
Sample ID: R08040287-004C	Sample Matrix Spike Duplicate		Run: SUB-C100898				05/08/08 21:49		
Aluminum	2.01	mg/L	0.10	97	70	130	2.7	20	
Boron	2.19	mg/L	0.10	106	70	130	1.0	20	
Iron	4.58	mg/L	0.030	102	70	130	0.5	20	
Calcium	463	mg/L	1.0	95	70	130	0.6	20	
Magnesium	233	mg/L	1.0	102	70	130	0.3	20	
Potassium	108	mg/L	1.0	90	70	130	0.9	20	
Silica	6.67	mg/L	0.10	93	70	130	1.5	20	
Sodium	190	mg/L	1.5	99	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18450
Sample ID: MB-18450	Method Blank								05/05/08 05:17
Uranium	4E-05	mg/L	2E-05						
Run: SUB-C100604									
Sample ID: LCS1-18450	Laboratory Control Sample								05/05/08 05:21
Uranium	0.0505	mg/L	0.00030	96	80	120			
Run: SUB-C100604									
Sample ID: R08040287-003I	Post Digestion Spike								05/05/08 06:19
Uranium	0.0132	mg/L	0.00030	98	70	130			
Run: SUB-C100604									
Sample ID: R08040287-003I	Post Digestion Spike Duplicate								05/05/08 06:23
Uranium	0.0135	mg/L	0.00030	100	70	130	2.0	20	
Run: SUB-C100604									
Method: E200.8									Batch: C_18459
Sample ID: MB-18459	Method Blank								05/05/08 06:27
Uranium	3E-05	mg/L	1E-05						
Run: SUB-C100604									
Sample ID: LCS1-18459	Laboratory Control Sample								05/05/08 06:44
Uranium	0.0473	mg/L	0.00030	95	80	120			
Run: SUB-C100604									
Sample ID: C08041156-006FMS4	Post Digestion Spike								05/05/08 07:42
Uranium	0.0131	mg/L	0.00030	94	70	130			
Run: SUB-C100604									
Sample ID: C08041156-006FMSD4	Post Digestion Spike Duplicate								05/05/08 07:46
Uranium	0.0132	mg/L	0.00030	95	70	130	0.4	20	
Run: SUB-C100604									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 06/24/08

Project: Edgemont

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18465		
Sample ID: MB-18465	Method Blank		Run: SUB-C100685				05/05/08 15:37		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0004	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	0.0007	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Lead	2E-05	mg/L							
Manganese	0.0002	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	7E-05	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	8E-05	mg/L	3E-05						
Uranium	4E-05	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS3-18465	Laboratory Control Sample		Run: SUB-C100685				05/05/08 15:43		
Antimony	0.545	mg/L	0.050	109	85	115			
Arsenic	0.544	mg/L	0.0010	109	85	115			
Barium	0.540	mg/L	0.10	108	85	115			
Cadmium	0.266	mg/L	0.010	107	85	115			
Chromium	0.540	mg/L	0.050	108	85	115			
Copper	0.524	mg/L	0.010	105	85	115			
Lead	0.523	mg/L	0.050	105	85	115			
Manganese	2.86	mg/L	0.010	114	85	115			
Molybdenum	0.523	mg/L	0.10	105	85	115			
Nickel	0.531	mg/L	0.050	106	85	115			
Selenium	0.548	mg/L	0.0020	110	85	115			
Silver	0.0497	mg/L	0.010	99	85	115			
Strontium	0.563	mg/L	0.10	113	85	115			
Thallium	0.521	mg/L	0.10	104	85	115			
Uranium	0.525	mg/L	0.00032	105	85	115			
Zinc	0.552	mg/L	0.010	110	85	115			
Sample ID: C08041226-001BMS3	Sample Matrix Spike		Run: SUB-C100685				05/05/08 17:38		
Antimony	0.606	mg/L	0.050	121	70	130			
Arsenic	0.609	mg/L	0.0010	121	70	130			
Barium	0.656	mg/L	0.10	123	70	130			
Cadmium	0.285	mg/L	0.010	114	70	130			
Chromium	0.568	mg/L	0.050	113	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18465		
Sample ID: C08041226-001BMS3	Sample Matrix Spike			Run: SUB-C100685			05/05/08 17:38		
Copper	0.598	mg/L	0.010	114	70	130			
Lead	0.588	mg/L	0.050	117	70	130			
Manganese	2.99	mg/L	0.010	120	70	130			
Molybdenum	0.601	mg/L	0.10	120	70	130			
Nickel	1.06	mg/L	0.050	123	70	130			
Selenium	0.600	mg/L	0.0020	117	70	130			
Silver	0.0528	mg/L	0.010	106	70	130			
Strontium	2.29	mg/L	0.10	162	70	130			S
Thallium	0.587	mg/L	0.10	117	70	130			
Uranium	0.621	mg/L	0.00032	124	70	130			
Zinc	0.552	mg/L	0.010	108	70	130			
Sample ID: C08041226-001BMUSD3	Sample Matrix Spike Duplicate			Run: SUB-C100685			05/05/08 18:05		
Antimony	0.586	mg/L	0.050	117	70	130	3.3	20	
Arsenic	0.575	mg/L	0.0010	114	70	130	5.8	20	
Barium	0.607	mg/L	0.10	113	70	130	7.7	20	
Cadmium	0.268	mg/L	0.010	107	70	130	6.1	20	
Chromium	0.530	mg/L	0.050	105	70	130	7.0	20	
Copper	0.565	mg/L	0.010	107	70	130	5.7	20	
Lead	0.559	mg/L	0.050	112	70	130	5.1	20	
Manganese	2.81	mg/L	0.010	112	70	130	6.3	20	
Molybdenum	0.580	mg/L	0.10	116	70	130	3.5	20	
Nickel	1.02	mg/L	0.050	115	70	130	4.0	20	
Selenium	0.566	mg/L	0.0020	110	70	130	5.7	20	
Silver	0.0502	mg/L	0.010	100	70	130	5.0	20	
Strontium	2.22	mg/L	0.10	148	70	130	3.2	20	S
Thallium	0.555	mg/L	0.10	111	70	130	5.6	20	
Uranium	0.582	mg/L	0.00032	116	70	130	6.4	20	
Zinc	0.525	mg/L	0.010	102	70	130	5.0	20	
Sample ID: MB-18465	Method Blank			Run: SUB-C100732			05/06/08 19:39		
Beryllium	ND	mg/L	0.0001						
Sample ID: LCS3-18465	Laboratory Control Sample			Run: SUB-C100732			05/06/08 19:46		
Beryllium	0.256	mg/L	0.010	102	85	115			
Sample ID: C08041226-001BMS3	Sample Matrix Spike			Run: SUB-C100732			05/06/08 21:27		
Beryllium	0.271	mg/L	0.010	108	70	130			
Sample ID: C08041226-001BMUSD3	Sample Matrix Spike Duplicate			Run: SUB-C100732			05/06/08 21:34		
Beryllium	0.266	mg/L	0.010	106	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100732		
Sample ID: LRB	Method Blank		Run: SUB-C100732				05/06/08 11:52		
Arsenic	ND	mg/L	6E-05						
Barium	4E-05	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	4E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	0.0001	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	5E-05	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C100732				05/06/08 11:59		
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Barium	0.0534	mg/L	0.0010	107	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Chromium	0.0514	mg/L	0.0010	103	85	115			
Copper	0.0528	mg/L	0.0010	106	85	115			
Lead	0.0535	mg/L	0.0010	107	85	115			
Manganese	0.0517	mg/L	0.0010	103	85	115			
Mercury	0.00525	mg/L	0.0010	103	85	115			
Molybdenum	0.0524	mg/L	0.0010	105	85	115			
Nickel	0.0530	mg/L	0.0010	106	85	115			
Silver	0.0211	mg/L	0.0010	105	85	115			
Thorium 232	0.0525	mg/L	0.0010	105	85	115			
Uranium	0.0522	mg/L	0.00030	104	85	115			
Vanadium	0.0518	mg/L	0.0010	104	85	115			
Zinc	0.0546	mg/L	0.0010	106	85	115			
Sample ID: R08040287-001C	Post Digestion Spike		Run: SUB-C100732				05/07/08 01:51		
Arsenic	0.0520	mg/L	0.0010	102	70	130			
Barium	0.0607	mg/L	0.10	98	70	130			
Cadmium	0.0494	mg/L	0.010	99	70	130			
Chromium	0.0475	mg/L	0.050	94	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Manganese	0.123	mg/L	0.010	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100732		
Sample ID: R08040287-001C	Post Digestion Spike			Run: SUB-C100732			05/07/08 01:51		
Mercury	0.00502	mg/L	0.0010	100	70	130			
Molybdenum	0.0574	mg/L	0.10	106	70	130			
Nickel	0.0511	mg/L	0.050	101	70	130			
Silver	0.0144	mg/L	0.010	72	70	130			
Thorium 232	0.0518	mg/L	0.0010	103	70	130			
Uranium	0.0547	mg/L	0.00030	104	70	130			
Vanadium	0.0487	mg/L	0.10	97	70	130			
Zinc	0.0500	mg/L	0.010	96	70	130			
Sample ID: R08040287-001C	Post Digestion Spike Duplicate			Run: SUB-C100732			05/07/08 01:58		
Arsenic	0.0518	mg/L	0.0010	101	70	130	0.5	20	
Barium	0.0621	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0495	mg/L	0.010	99	70	130	0.2	20	
Chromium	0.0497	mg/L	0.050	99	70	130	0.0	20	
Copper	0.0505	mg/L	0.010	100	70	130	0.1	20	
Lead	0.0513	mg/L	0.050	103	70	130	1.4	20	
Manganese	0.128	mg/L	0.010	102	70	130	3.9	20	
Mercury	0.00510	mg/L	0.0010	102	70	130	1.6	20	
Molybdenum	0.0578	mg/L	0.10	107	70	130	0.0	20	
Nickel	0.0506	mg/L	0.050	100	70	130	1.1	20	
Silver	0.0151	mg/L	0.010	76	70	130	5.0	20	
Thorium 232	0.0527	mg/L	0.0010	105	70	130	1.8	20	
Uranium	0.0557	mg/L	0.00030	106	70	130	1.8	20	
Vanadium	0.0513	mg/L	0.10	102	70	130	0.0	20	
Zinc	0.0496	mg/L	0.010	95	70	130	0.8	20	
Sample ID: R08040287-007C	Post Digestion Spike			Run: SUB-C100732			05/07/08 02:45		
Arsenic	0.0524	mg/L	0.0010	103	70	130			
Barium	0.0648	mg/L	0.10	102	70	130			
Cadmium	0.0502	mg/L	0.010	100	70	130			
Chromium	0.0488	mg/L	0.050	97	70	130			
Copper	0.0501	mg/L	0.010	99	70	130			
Lead	0.0518	mg/L	0.050	103	70	130			
Manganese	0.106	mg/L	0.010	97	70	130			
Mercury	0.00507	mg/L	0.0010	101	70	130			
Molybdenum	0.0576	mg/L	0.10	109	70	130			
Nickel	0.0506	mg/L	0.050	101	70	130			
Silver	0.0152	mg/L	0.010	76	70	130			
Thorium 232	0.0535	mg/L	0.0010	107	70	130			
Uranium	0.0541	mg/L	0.00030	108	70	130			
Vanadium	0.0500	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R100732		
Sample ID: R08040287-007C	Post Digestion Spike				Run: SUB-C100732		05/07/08 02:45		
Zinc	0.0501	mg/L	0.010	96	70	130			
Sample ID: R08040287-007C	Post Digestion Spike Duplicate				Run: SUB-C100732		05/07/08 03:12		
Arsenic	0.0532	mg/L	0.0010	104	70	130	1.4	20	
Barium	0.0644	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	1.1	20	
Chromium	0.0492	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0508	mg/L	0.010	101	70	130	1.5	20	
Lead	0.0515	mg/L	0.050	103	70	130	0.5	20	
Manganese	0.106	mg/L	0.010	98	70	130	0.5	20	
Mercury	0.00515	mg/L	0.0010	103	70	130	1.6	20	
Molybdenum	0.0573	mg/L	0.10	108	70	130	0.0	20	
Nickel	0.0510	mg/L	0.050	102	70	130	0.7	20	
Silver	0.0168	mg/L	0.010	84	70	130	9.7	20	
Thorium 232	0.0537	mg/L	0.0010	107	70	130	0.4	20	
Uranium	0.0534	mg/L	0.00030	106	70	130	1.5	20	
Vanadium	0.0503	mg/L	0.10	100	70	130	0.0	20	
Zinc	0.0501	mg/L	0.010	96	70	130	0.0	20	
Method: E200.8							Batch: C_R100862		
Sample ID: LRB	Method Blank				Run: SUB-C100862		05/08/08 12:41		
Aluminum	ND	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100862		05/08/08 12:48		
Aluminum	0.0519	mg/L	0.0010	104	85	115			
Sample ID: C08040783-001KMS4	Post Digestion Spike				Run: SUB-C100862		05/08/08 14:50		
Aluminum	0.0503	mg/L	0.10	98	70	130			
Sample ID: C08040783-001KMSD4	Post Digestion Spike Duplicate				Run: SUB-C100862		05/08/08 14:56		
Aluminum	0.0494	mg/L	0.10	96	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: C_B_32271		
Sample ID: MB-32271	Method Blank				Run: SUB-C100762		05/06/08 16:10		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32271	Laboratory Fortified Blank				Run: SUB-C100762		05/06/08 16:12		
Mercury	0.0019	mg/L	0.0010	93	85	115			
Sample ID: B08050247-007DMS	Sample Matrix Spike				Run: SUB-C100762		05/06/08 16:55		
Mercury	0.0020	mg/L	0.0010	102	70	130			
Sample ID: B08050247-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100762		05/06/08 16:57		
Mercury	0.0019	mg/L	0.0010	96	70	130	5.6	30	
Method: E300.0							Batch: G_R159465		
Sample ID: LCS	Laboratory Control Sample				Run: SUB-G159465		05/10/08 14:58		
Chloride	28.1	mg/L	1.0	93	90	110			
Fluoride	20.2	mg/L	0.10	100	90	110			
Sulfate	142	mg/L	1.0	94	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-G159465		05/10/08 15:10		
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Sulfate	ND	mg/L	0.04						
Sample ID: G08050352-005AMS	Sample Matrix Spike				Run: SUB-G159465		05/10/08 21:11		
Chloride	191	mg/L	1.0	95	80	120			
Fluoride	19.4	mg/L	0.10	97	80	120			
Sulfate	559	mg/L	1.0	94	80	120			
Sample ID: G08050352-005AMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465		05/10/08 21:23		
Chloride	193	mg/L	1.0	96	80	120	0.7	20	
Fluoride	19.6	mg/L	0.10	97	80	120	0.7	20	
Sulfate	561	mg/L	1.0	95	80	120	0.3	20	
Sample ID: G08050354-007BMS	Sample Matrix Spike				Run: SUB-G159465		05/11/08 08:04		
Chloride	1060	mg/L	2.1	100	80	120			
Fluoride	99.9	mg/L	0.18	101	80	120			
Sample ID: G08050354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465		05/11/08 08:16		
Chloride	1080	mg/L	2.1	102	80	120	1.8	20	
Fluoride	102	mg/L	0.18	103	80	120	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: G_R159560		
Sample ID: LCS	Laboratory Control Sample			Run: SUB-G159560			05/12/08 13:35		
Sulfate	137	mg/L	1.0	91	90	110			
Sample ID: MBLK	Method Blank			Run: SUB-G159560			05/12/08 13:46		
Sulfate	ND	mg/L	0.04						
Sample ID: G08050391-001AMS	Sample Matrix Spike			Run: SUB-G159560			05/12/08 14:45		
Sulfate	320	mg/L	1.0	99	80	120			
Sample ID: G08050391-001AMSD	Sample Matrix Spike Duplicate			Run: SUB-G159560			05/12/08 14:56		
Sulfate	319	mg/L	1.0	99	80	120	0.4	20	
Method: E353.2							Batch: A2008-04-24_3_NO2_01		
Sample ID: MBLK-2	Method Blank			Run: TECHAA1-R_080424A			04/24/08 11:53		
Nitrogen, Nitrite as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank			Run: TECHAA1-R_080424A			04/24/08 11:55		
Nitrogen, Nitrite as N	0.275	mg/L	0.050	110	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank			Run: TECHAA1-R_080424A			04/24/08 11:57		
Nitrogen, Nitrite as N	0.269	mg/L	0.050	108	90	110			
Sample ID: R08040287-001AMS	Sample Matrix Spike			Run: TECHAA1-R_080424A			04/24/08 12:17		
Nitrogen, Nitrite as N	0.260	mg/L	0.050	104	90	110			
Sample ID: R08040287-001AMSD	Sample Matrix Spike Duplicate			Run: TECHAA1-R_080424A			04/24/08 12:19		
Nitrogen, Nitrite as N	0.269	mg/L	0.050	108	90	110	3.4	10	
Sample ID: R08040290-004BMS	Sample Matrix Spike			Run: TECHAA1-R_080424A			04/24/08 13:09		
Nitrogen, Nitrite as N	0.293	mg/L	0.050	107	90	110			
Sample ID: R08040290-004BMDS	Sample Matrix Spike Duplicate			Run: TECHAA1-R_080424A			04/24/08 13:11		
Nitrogen, Nitrite as N	0.293	mg/L	0.050	107	90	110	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0440		
Sample ID: MB-GrAB-0440	Method Blank				Run: SUB-C100953			05/10/08 05:58	
Gross Alpha	-0.2	pCi/L							U
Gross Beta	-2	pCi/L							U
Sample ID: UNAT-GrAB-0440	Laboratory Control Sample				Run: SUB-C100953			05/10/08 05:58	
Gross Alpha	260	pCi/L	105		70	130			
Sample ID: Cs137-GrAB-0440	Laboratory Control Sample				Run: SUB-C100953			05/10/08 05:58	
Gross Beta	78	pCi/L	84		70	130			
Sample ID: C08041059-001DMS	Sample Matrix Spike				Run: SUB-C100953			05/10/08 05:58	
Gross Alpha	317	pCi/L	130		70	130			
Sample ID: C08041059-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100953			05/10/08 05:58	
Gross Alpha	317	pCi/L	130		70	130	0.1	15.5	
Sample ID: C08041059-001DMS	Sample Matrix Spike				Run: SUB-C100953			05/10/08 05:58	
Gross Beta	95.7	pCi/L	103		70	130			
Sample ID: C08041059-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100953			05/10/08 05:58	
Gross Beta	98.7	pCi/L	106		70	130	3.1	16	
Method: E901.1							Batch: C_R100708		
Sample ID: LCS-R100708	Laboratory Control Sample				Run: SUB-C100708			05/01/08 17:22	
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	109	70	130			
Sample ID: MB-R100708	Method Blank				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	ND	pCi/L							
Sample ID: R08040364-001H	Sample Duplicate				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18450		
Sample ID: C08041110-001AMS	Sample Matrix Spike				Run: SUB-C100770		05/06/08 15:27		
Radium 226	125	pCi/Filter	101		70	130			
Sample ID: C08041110-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100770		05/06/08 15:27		
Radium 226	127	pCi/Filter	102		70	130	1.2	25.7	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100770		05/06/08 15:27		
Radium 226	13	pCi/L	109		70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100770		05/06/08 15:27		
Radium 226	-2	pCi/L							U
Method: E903.0							Batch: C_R101119		
Sample ID: C08041156-005FMS	Sample Matrix Spike				Run: SUB-C101119		05/13/08 13:14		
Radium 226	120	pCi/L	94		70	130			
Sample ID: C08041156-005FMDS	Sample Matrix Spike Duplicate				Run: SUB-C101119		05/13/08 13:14		
Radium 226	110	pCi/L	91		70	130	3.5	24.7	
Sample ID: LCS-18459	Laboratory Control Sample				Run: SUB-C101119		05/13/08 14:53		
Radium 226	11	pCi/L	95		70	130			
Sample ID: MB-18459	Method Blank				Run: SUB-C101119		05/13/08 14:53		
Radium 226	-0.8	pCi/L							U
Method: E903.0							Batch: C_RA226-2771		
Sample ID: C08041060-002HMS	Sample Matrix Spike				Run: SUB-C101060		05/13/08 08:49		
Radium 226	12	pCi/L	90		70	130			
Sample ID: C08041060-002HMDS	Sample Matrix Spike Duplicate				Run: SUB-C101060		05/13/08 08:49		
Radium 226	12	pCi/L	93		70	130	2.4	21.9	
Sample ID: MB-RA226-2771	Method Blank				Run: SUB-C101060		05/13/08 13:15		
Radium 226	-0.03	pCi/L							U
Sample ID: LCS-RA226-2771	Laboratory Control Sample				Run: SUB-C101060		05/13/08 13:15		
Radium 226	5.3	pCi/L	83		70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_18450		
Sample ID: C08041060-004IMS	Sample Matrix Spike				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	21.6	pCi/L	0.20	98	70	130			
Sample ID: C08041060-004IMSD	Sample Matrix Spike Duplicate				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	18.9	pCi/L	0.20	82	70	130	13	30	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	47.0	pCi/L	0.20	98	70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100959			05/01/08 15:30	
Thorium 230	ND	pCi/L							
Method: E907.0							Batch: C_18459		
Sample ID: C08041170-001AMS	Sample Matrix Spike				Run: SUB-C100981			05/02/08 15:30	
Thorium 230	42.4	pCi/Filter	0.20	99	70	130			
Sample ID: C08041170-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100981			05/02/08 15:30	
Thorium 230	50.6	pCi/Filter	0.20	109	70	130	18	30	
Sample ID: LCS-18459	Laboratory Control Sample				Run: SUB-C100981			05/02/08 15:30	
Thorium 230	9.40	pCi/L	0.20	90	70	130			
Sample ID: MB-18459	Method Blank				Run: SUB-C100981			05/02/08 15:30	
Thorium 230	ND	pCi/L							
Method: E907.0							Batch: C_R100724		
Sample ID: LCS-R100724	Laboratory Control Sample				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	7.20	pCi/L	0.20	103	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	9.50	pCi/L	0.20	97	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike Duplicate				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	9.40	pCi/L	0.20	96	70	130	1.1	30	
Sample ID: MB-R100724	Method Blank				Run: SUB-C100724			04/29/08 15:30	
Thorium 230	ND	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/24/08

Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M							Batch: C_18450		
Sample ID: C08041052-003BMS	Sample Matrix Spike				Run: SUB-C101784		05/16/08 07:00		
Lead 210	1000	pCi/L	1.0	85	70	130			
Sample ID: C08041052-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C101784		05/16/08 07:00		
Lead 210	1200	pCi/L	1.0	101	70	130	18	30	
Sample ID: MB-R101784	Method Blank				Run: SUB-C101784		05/16/08 07:00		
Lead 210	ND	pCi/L							
Sample ID: LCS-R101784	Laboratory Control Sample				Run: SUB-C101784		05/16/08 07:00		
Lead 210	130	pCi/L	1.0	106	70	130			
Method: E909.0M							Batch: C_18459		
Sample ID: C08041156-003FMS	Sample Matrix Spike				Run: SUB-C101646		05/14/08 06:30		
Lead 210	570	pCi/L	1.0	48	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD is acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08041156-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C101646		05/14/08 06:30		
Lead 210	940	pCi/L	1.0	79	70	130	49	30	R
Sample ID: MB-R101646	Method Blank				Run: SUB-C101646		05/14/08 06:30		
Lead 210	ND	pCi/L							
Sample ID: LCS-R101646	Laboratory Control Sample				Run: SUB-C101646		05/14/08 06:30		
Lead 210	120	pCi/L	1.0	100	70	130			
Method: E909.0M							Batch: C_R102383		
Sample ID: R08040287-004H	Sample Matrix Spike				Run: SUB-C102383		05/23/08 08:45		
Lead 210	600	pCi/L	1.0	102	70	130			
Sample ID: R08040287-004H	Sample Matrix Spike Duplicate				Run: SUB-C102383		05/23/08 08:45		
Lead 210	700	pCi/L	1.0	119	70	130	16	30	
Sample ID: MB-R102383	Method Blank				Run: SUB-C102383		05/23/08 08:45		
Lead 210	ND	pCi/L							
Sample ID: LCS-R102383	Laboratory Control Sample				Run: SUB-C102383		05/23/08 08:45		
Lead 210	130	pCi/L	1.0	114	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_18459		
Sample ID: C08041156-006FMS	Sample Matrix Spike				Run: SUB-C100914		05/06/08 12:00		
Polonium 210	99	pCi/L	1.0	108	70	130			
Sample ID: C08041156-006FMSD	Sample Matrix Spike Duplicate				Run: SUB-C100914		05/06/08 12:00		
Polonium 210	93	pCi/L	1.0	101	70	130	6.2	30	
Sample ID: MB-18459	Method Blank				Run: SUB-C100914		05/06/08 12:00		
Polonium 210	1	pCi/L							
Sample ID: LCS-18459	Laboratory Control Sample				Run: SUB-C100914		05/06/08 12:00		
Polonium 210	180	pCi/L	1.0	105	70	130			
Method: RMO-3008							Batch: C_R100704		
Sample ID: R08040287-003I	Sample Matrix Spike				Run: SUB-C100704		05/01/08 14:15		
Polonium 210	88	pCi/L	1.0	107	70	130			
Sample ID: R08040287-003I	Sample Matrix Spike Duplicate				Run: SUB-C100704		05/01/08 14:15		
Polonium 210	89	pCi/L	1.0	107	70	130	0.8	30	
Sample ID: LCS-18424	Laboratory Control Sample				Run: SUB-C100704		05/01/08 14:15		
Polonium 210	180	pCi/L	1.0	102	70	130			
Sample ID: MB-18424	Method Blank				Run: SUB-C100704		05/01/08 14:15		
Polonium 210	0.5	pCi/L							U
Method: RMO-3008							Batch: C_R100979		
Sample ID: R08040364-007H	Sample Matrix Spike				Run: SUB-C100979		05/06/08 17:00		
Polonium 210	160	pCi/L	1.0	90	70	130			
Sample ID: R08040364-007H	Sample Matrix Spike Duplicate				Run: SUB-C100979		05/06/08 17:00		
Polonium 210	150	pCi/L	1.0	88	70	130	1.9	30	
Sample ID: LCS-R100979	Laboratory Control Sample				Run: SUB-C100979		05/06/08 17:00		
Polonium 210	81	pCi/L	1.0	92	70	130			
Sample ID: MB-R100979	Method Blank				Run: SUB-C100979		05/06/08 17:00		
Polonium 210	0.9	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable free schedule forms & links



ANALYTICAL SUMMARY REPORT

June 27, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08040364

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 4/30/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040364-001	DewBurd GW676	04/29/08 12:27	04/30/08	Aqueous	Metals by ICP/CPMS, Dissolved Metals by ICP/CPMS, Suspended Metals by ICP/CPMS, Total Alkalinity Anion - Cation Balance Conductivity Hg By CVAA, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040364-002	DewBurd GW678	04/29/08 13:41	04/30/08	Aqueous	Same As Above
R08040364-003	DewBurd GW677	04/29/08 15:14	04/30/08	Aqueous	Same As Above
R08040364-004	DewBurd GW675	04/29/08 17:47	04/30/08	Aqueous	Same As Above
R08040364-005	DewBurd GW675	04/29/08 17:50	04/30/08	Aqueous	Same As Above



R08040364-006 DewBurd BLK01	04/29/08 18:00 04/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Conductivity Hg By CVAA, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040364-007 DewBurd GW635	04/29/08 19:00 04/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Hg By CVAA, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved



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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: _____

A handwritten signature in black ink, appearing to read "Linda Larson", written over a horizontal line.

Linda Larson

Rapid City - Project Manager



CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 4/30/2008 8:05:00 AM. These samples were assigned ELI Workorder Number R08040364.

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.

-The total Mercury analysis was not run within hold due to lab error. The method used was a standard method cold vapor analysis. It is an approved method and was the method available at the time of analysis.

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-001
Client Sample ID: DewBurd GW676

Report Date: 06/27/08
Collection Date: 04/29/08 12:27
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	220	mg/L		5		1	A2320 B	05/01/08 10:37/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 10:37/mb
Bicarbonate as HCO3	268	mg/L		5		1	A2320 B	05/01/08 10:37/mb
Calcium	561	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Chloride	13	mg/L		1		5	E300.0	05/12/08 22:06/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/12/08 22:06/eli-g
Magnesium	129	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:00/jmh
Potassium	10.9	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Silica	6.4	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Sodium	94	mg/L	D	2		2	E200.7	05/19/08 15:47/eli-c
Sulfate	1760	mg/L		1		25	E300.0	05/11/08 05:21/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3100	umhos/cm		5.0		1	A2510 B	05/08/08 14:14/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.46	s.u.		0.01		1	A4500-H B	05/06/08 14:10/jmh
Sodium Adsorption Ratio (SAR)	0.93	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	2600	mg/L		5		1	A2540 C	05/01/08 15:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/20/08 12:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Boron	0.5	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 12:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 15:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:31/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 15:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:31/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	05/19/08 15:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 15:47/eli-c
Selenium	0.009	mg/L		0.001		1	A3114 B	05/08/08 16:40/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:31/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:31/eli-c
Uranium	0.0557	mg/L		0.0003		1	E200.8	05/20/08 12:31/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-001
Client Sample ID: DewBurd GW676

Report Date: 06/27/08
Collection Date: 04/29/08 12:27
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
METALS - DISSOLVED									
Vanadium	ND	mg/L		0.1		2	E200.7		05/19/08 15:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7		05/19/08 15:47/eli-c
METALS - SUSPENDED									
Uranium	ND	mg/L		0.0003		1	E200.8		05/18/08 13:13/eli-c
NUTRIENT PARAMETERS									
Nitrogen, Nitrate as N	0.76	mg/L		0.05		1	E353.2		05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2		05/01/08 12:50/jmh
METALS - SPECIATED									
Selenium-IV	ND	mg/L		0.001		1	A3114 B		05/08/08 11:30/eli-ca
Selenium-VI	0.009	mg/L		0.001		1	A3114 B		05/09/08 10:02/eli-ca
METALS, TOTAL									
Mercury	ND	mg/L	H	0.00010		1	A3112 B		06/12/08 14:24/eli-ca
RADIONUCLIDES - DISSOLVED									
Gross Alpha	51.6	pCi/L				1	E900.0		05/20/08 10:25/eli-c
Gross Alpha precision (±)	9.1	pCi/L				1	E900.0		05/20/08 10:25/eli-c
Gross Alpha MDC	8.5	pCi/L				1	E900.0		05/20/08 10:25/eli-c
Gross Beta	9.2	pCi/L	U			1	E900.0		05/20/08 10:25/eli-c
Gross Beta precision (±)	5.8	pCi/L				1	E900.0		05/20/08 10:25/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0		05/20/08 10:25/eli-c
Lead 210	-0.9	pCi/L	U	1.0		1	E909.0M		05/27/08 08:30/eli-c
Lead 210 precision (±)	14.3	pCi/L				1	E909.0M		05/27/08 08:30/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008		05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008		05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0		05/19/08 18:41/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0		05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0		05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0		05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0		05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1		05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1		05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED									
Lead 210	-6.7	pCi/L	U	1.0		1	E909.0M		05/22/08 09:00/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-001
Client Sample ID: DewBurd GW676

Report Date: 06/27/08
Collection Date: 04/29/08 12:27
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.9	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	755	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	96.4	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/08/08 23:42/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/08/08 23:42/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/09/08 02:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/08/08 23:42/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/08/08 23:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/08/08 23:42/eli-c
Iron	0.57	mg/L		0.03		2	E200.7	05/09/08 02:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	05/08/08 23:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/08/08 23:42/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/08/08 23:42/eli-c
Selenium	0.012	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/08/08 23:42/eli-c
Strontium	8.6	mg/L		0.1		1	E200.8	05/08/08 23:42/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Uranium	0.0591	mg/L		0.0003		1	E200.8	05/08/08 23:42/eli-c
Zinc	0.03	mg/L		0.01		1	E200.8	05/08/08 23:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.76					1	A1030 E	06/19/08 00:00/ADM
Anions	41.4	meq/L				1	A1030 E	06/19/08 00:00/ADM
Cations	430	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	2720	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/19/08 00:00/ADM

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	478	mg/L		5		1	A2320 B	05/01/08 10:51/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 10:51/mb
Bicarbonate as HCO3	583	mg/L		5		1	A2320 B	05/01/08 10:51/mb
Calcium	457	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Chloride	54	mg/L		1		5	E300.0	05/12/08 22:17/eli-g
Fluoride	1.0	mg/L		0.1		5	E300.0	05/12/08 22:17/eli-g
Magnesium	500	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:01/jmh
Potassium	17.4	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Silica	7.9	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Sodium	643	mg/L	D	2		2	E200.7	05/19/08 16:58/eli-c
Sulfate	3740	mg/L		1		25	E300.0	05/11/08 05:32/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6300	umhos/cm		5.0		1	A2510 B	05/08/08 14:18/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.55	s.u.		0.01		1	A4500-H B	05/06/08 14:11/jmh
Sodium Adsorption Ratio (SAR)	4.9	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	5400	mg/L		5		1	A2540 C	05/01/08 15:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:38/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Boron	1.4	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	05/19/08 16:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 16:58/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:38/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 16:58/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:38/eli-c
Manganese	2.66	mg/L		0.01		1	E200.8	05/20/08 12:38/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:38/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 16:58/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:46/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:38/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:38/eli-c
Uranium	0.0355	mg/L		0.0003		1	E200.8	05/20/08 12:38/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	0.2	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 16:58/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:17/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.09	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 12:56/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:37/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	0.00010	mg/L	H	0.00010		1	A3112 B	06/12/08 14:32/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	54.7	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	15.8	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	18.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	12.8	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	16.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	27.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	-1.2	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	23.9	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.07	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/29/08 16:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/29/08 16:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.5	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	13.0	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.7	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	687	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	94.7	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/08/08 23:49/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/08/08 23:49/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Boron	1.4	mg/L		0.1		2	E200.7	05/09/08 02:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/08/08 23:49/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/08/08 23:49/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/08/08 23:49/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/09/08 02:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Manganese	2.61	mg/L		0.01		1	E200.8	05/08/08 23:49/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/08/08 23:49/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/08/08 23:49/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/08/08 23:49/eli-c
Strontium	11.0	mg/L		0.1		1	E200.8	05/08/08 23:49/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Uranium	0.0387	mg/L		0.0003		1	E200.8	05/08/08 23:49/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/08/08 23:49/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.90					1	A1030 E	06/19/08 00:00/ADM
Anions	89.1	meq/L				1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
Cations	92.6	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	5730	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	480	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Bicarbonate as HCO3	585	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Calcium	516	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Chloride	1710	mg/L	D	2		25	E300.0	05/11/08 05:44/eli-g
Fluoride	0.7	mg/L		0.1		5	E300.0	05/12/08 22:29/eli-g
Magnesium	454	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:02/jmh
Potassium	9.8	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Silica	4.2	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Sodium	2140	mg/L	D	8		10	E200.7	06/20/08 15:46/eli-c
Sulfate	4410	mg/L		1		25	E300.0	05/11/08 05:44/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	12100	umhos/cm		5.0		1	A2510 B	05/08/08 14:22/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.28	s.u.		0.01		1	A4500-H B	05/06/08 14:11/jmh
Sodium Adsorption Ratio (SAR)	17	unitless		0.10		1	Calculation	06/24/08 10:21/ADM
Solids, Total Dissolved TDS @ 180 C	9100	mg/L		5		1	A2540 C	05/01/08 15:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:45/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Boron	0.7	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	05/19/08 17:06/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:06/eli-c
Copper	ND	mg/L		0.01		1	E200.7	05/20/08 14:46/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 17:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:45/eli-c
Manganese	1.62	mg/L		0.01		1	E200.8	05/20/08 12:45/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:45/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:06/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:45/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:45/eli-c
Uranium	0.0450	mg/L		0.0003		1	E200.8	05/20/08 12:45/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:06/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:22/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.11	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 12:58/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:39/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:34/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	43.1	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	23.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	32.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-30	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	20.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	35.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.1	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.07	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 16:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.3	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	13.0	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.024	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1250	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	101	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/08/08 23:55/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/08/08 23:55/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Boron	0.7	mg/L		0.1		2	E200.7	05/09/08 02:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/08/08 23:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/08/08 23:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/08/08 23:55/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/09/08 02:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Manganese	1.71	mg/L		0.01		1	E200.8	05/08/08 23:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/08/08 23:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/08/08 23:55/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/08/08 23:55/eli-c
Strontium	11.6	mg/L		0.1		1	E200.8	05/08/08 23:55/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Uranium	0.0471	mg/L		0.0003		1	E200.8	05/08/08 23:55/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	05/08/08 23:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.30					1	A1030 E	06/26/08 00:00/jmh
Anions	150	meq/L				1	A1030 E	06/26/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc

Project: Edgemont

Lab ID: R08040364-003

Client Sample ID: DewBurd GW677

Report Date: 06/27/08

Collection Date: 04/29/08 15:14

Date Received: 04/30/08

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
Cations	157	meq/L				1	A1030 E	06/26/08 00:00/jmh
Solids, Total Dissolved Calculated	9550	mg/L				1	A1030 E	06/26/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/26/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	422	mg/L		5		1	A2320 B	05/01/08 12:17/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 12:17/mb
Bicarbonate as HCO3	514	mg/L		5		1	A2320 B	05/01/08 12:17/mb
Calcium	450	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Chloride	64	mg/L		1		5	E300.0	05/12/08 22:41/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/12/08 22:41/eli-g
Magnesium	408	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:06/jmh
Potassium	21.7	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Silica	7.3	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Sodium	809	mg/L	D	2		2	E200.7	05/19/08 17:10/eli-c
Sulfate	3810	mg/L		1		25	E300.0	05/11/08 05:56/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6560	umhos/cm		5.0		1	A2510 B	05/08/08 14:24/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.53	s.u.		0.01		1	A4500-H B	05/06/08 14:12/jmh
Sodium Adsorption Ratio (SAR)	6.6	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	5700	mg/L		5		1	A2540 C	05/01/08 15:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:51/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 12:51/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:51/eli-c
Iron	1.88	mg/L		0.03		2	E200.7	05/19/08 17:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:51/eli-c
Manganese	3.02	mg/L		0.01		2	E200.7	05/19/08 17:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:51/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:10/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:51/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:51/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:51/eli-c
Uranium	0.0493	mg/L		0.0003		1	E200.8	05/20/08 12:51/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:10/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:26/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.07	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:01/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:41/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:36/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	55.2	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	15.9	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	18.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	8.0	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	16.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	27.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.09	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-19.2	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.7	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	960	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	95.5	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:02/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:02/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/09/08 02:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:02/eli-c
Iron	5.03	mg/L		0.03		2	E200.7	05/09/08 02:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Manganese	3.02	mg/L		0.01		1	E200.8	05/09/08 00:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:02/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:02/eli-c
Strontium	8.8	mg/L		0.1		1	E200.8	05/09/08 00:02/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Uranium	0.0502	mg/L		0.0003		1	E200.8	05/09/08 00:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/09/08 00:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.42					1	A1030 E	06/19/08 00:00/ADM
Anions	89.5	meq/L				1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc

Project: Edgemont

Lab ID: R08040364-004

Client Sample ID: DewBurd GW675

Report Date: 06/27/08

Collection Date: 04/29/08 17:47

Date Received: 04/30/08

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
Cations	92.1	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	5830	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	428	mg/L		5		1	A2320 B	05/01/08 14:04/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 14:04/mb
Bicarbonate as HCO3	522	mg/L		5		1	A2320 B	05/01/08 14:04/mb
Calcium	452	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Chloride	64	mg/L		1		5	E300.0	05/12/08 23:16/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/12/08 23:16/eli-g
Magnesium	416	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:09/jmh
Potassium	21.4	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Silica	7.4	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Sodium	789	mg/L	D	2		2	E200.7	05/19/08 17:14/eli-c
Sulfate	3840	mg/L		1		25	E300.0	05/11/08 06:07/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6530	umhos/cm		5.0		1	A2510 B	05/08/08 14:28/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.79	s.u.		0.01		1	A4500-H B	05/06/08 14:12/jmh
Sodium Adsorption Ratio (SAR)	6.4	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	4800	mg/L		5		1	A2540 C	05/01/08 15:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:58/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 12:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:58/eli-c
Iron	2.32	mg/L		0.03		2	E200.7	05/19/08 17:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:58/eli-c
Manganese	2.66	mg/L		0.01		1	E200.8	05/20/08 12:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:58/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:14/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:53/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:58/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:58/eli-c
Uranium	0.0485	mg/L		0.0003		1	E200.8	05/20/08 12:58/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:14/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:30/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.07	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:03/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:43/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:38/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	51.1	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	15.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	18.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-0.4	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	16.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	27.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 16:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-5.2	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
RADIONUCLIDES - SUSPENDED									
Lead 210 precision (±)	12.9	pCi/L					1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	-0.1	pCi/L	U	1.0			1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.024	pCi/L					1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.7	pCi/L					1	E903.0	05/21/08 10:15/eli-c
Radium 226 precision (±)	0.3	pCi/L					1	E903.0	05/21/08 10:15/eli-c
Radium 226 MDC	0.3	pCi/L					1	E903.0	05/21/08 10:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2			1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L					1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	960	pCi/L		100			1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	95.5	pCi/L					1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			1	E200.8	05/09/08 00:36/eli-c
Arsenic	0.002	mg/L		0.001			1	E200.8	05/09/08 00:36/eli-c
Barium	ND	mg/L		0.1			1	E200.8	05/09/08 00:36/eli-c
Beryllium	ND	mg/L		0.001			1	E200.8	05/09/08 00:36/eli-c
Boron	0.3	mg/L		0.1			2	E200.7	05/09/08 02:21/eli-c
Cadmium	ND	mg/L		0.005			1	E200.8	05/09/08 00:36/eli-c
Chromium	ND	mg/L		0.05			1	E200.8	05/09/08 00:36/eli-c
Copper	ND	mg/L		0.01			1	E200.8	05/09/08 00:36/eli-c
Iron	5.12	mg/L		0.03			2	E200.7	05/09/08 02:21/eli-c
Lead	ND	mg/L		0.001			1	E200.8	05/09/08 00:36/eli-c
Manganese	2.75	mg/L		0.01			1	E200.8	05/09/08 00:36/eli-c
Mercury	ND	mg/L		0.001			1	E200.8	05/09/08 00:36/eli-c
Molybdenum	ND	mg/L		0.1			1	E200.8	05/09/08 00:36/eli-c
Nickel	ND	mg/L		0.05			1	E200.8	05/09/08 00:36/eli-c
Selenium	0.002	mg/L		0.001			1	E200.8	05/09/08 00:36/eli-c
Silver	ND	mg/L		0.005			1	E200.8	05/09/08 00:36/eli-c
Strontium	8.6	mg/L		0.1			1	E200.8	05/09/08 00:36/eli-c
Thallium	ND	mg/L		0.001			1	E200.8	05/09/08 00:36/eli-c
Uranium	0.0516	mg/L		0.0003			1	E200.8	05/09/08 00:36/eli-c
Zinc	0.01	mg/L		0.01			1	E200.8	05/09/08 00:36/eli-c
DATA QUALITY									
A/C Balance (± 5)	0.840						1	A1030 E	06/19/08 00:00/ADM
Anions	90.4	meq/L					1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc

Project: Edgemont

Lab ID: R08040364-005

Client Sample ID: DewBurd GW675

Report Date: 06/27/08

Collection Date: 04/29/08 17:50

Date Received: 04/30/08

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
Cations	91.9	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	5860	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.820					1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-006
Client Sample ID: DewBurd BLK01

Report Date: 06/27/08
Collection Date: 04/29/08 18:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	05/01/08 12:31/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 12:31/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	05/01/08 12:31/mb
Calcium	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Chloride	ND	mg/L		1		1	E300.0	05/11/08 06:19/eli-g
Fluoride	ND	mg/L		0.1		1	E300.0	05/11/08 06:19/eli-g
Magnesium	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:10/jmh
Potassium	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Silica	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Sodium	ND	mg/L	D	2		2	E200.7	05/19/08 17:18/eli-c
Sulfate	ND	mg/L		1		1	E300.0	05/11/08 06:19/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	05/08/08 14:28/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	05/05/08 00:00/jmh
pH	6.66	s.u.		0.01		1	A4500-H B	05/06/08 14:15/jmh
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	06/26/08 00:00/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/20/08 13:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 13:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 13:25/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 17:18/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 13:25/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	05/19/08 17:18/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 13:25/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:18/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:55/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 13:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 13:25/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/20/08 13:25/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-006
Client Sample ID: DewBurd BLK01

Report Date: 06/27/08
Collection Date: 04/29/08 18:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:18/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:34/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:05/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:59/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:41/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	0.4	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	0.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	0.8	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-0.3	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.4	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.1	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.0	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-006
Client Sample ID: DewBurd BLK01

Report Date: 06/27/08
Collection Date: 04/29/08 18:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	13.0	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.024	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.4	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	194	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	85.4	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:43/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 02:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:43/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/09/08 02:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	05/09/08 00:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:43/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:43/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	05/09/08 00:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/09/08 00:43/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/09/08 00:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Calcium	136	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Chloride	20	mg/L		1		5	E300.0	05/12/08 23:51/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/12/08 23:51/eli-g
Magnesium	54.1	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:11/jmh
Potassium	7.3	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Silica	4.9	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Sodium	545	mg/L	D	2		2	E200.7	05/19/08 17:22/eli-c
Sulfate	1430	mg/L		1		25	E300.0	05/11/08 06:31/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2810	umhos/cm		5.0		1	A2510 B	05/08/08 14:39/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	05/05/08 00:00/jmh
pH	8.20	s.u.		0.01		1	A4500-H B	05/06/08 14:16/jmh
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	05/01/08 15:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/20/08 13:32/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 13:32/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 13:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 17:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 13:32/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	05/19/08 17:22/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 13:32/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:22/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 17:01/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 13:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 13:32/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	05/20/08 13:32/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:22/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:38/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:07/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 12:01/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:48/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	13.2	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	6.9	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-8	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	5.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	9.2	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1.3	pCi/L				1	E903.0	05/19/08 18:42/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/19/08 18:42/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:42/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-9.6	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.8	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1070	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	96.1	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:49/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:49/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/09/08 02:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:49/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:49/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:49/eli-c
Iron	1.08	mg/L		0.03		2	E200.7	05/09/08 02:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	05/09/08 00:49/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:49/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:49/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:49/eli-c
Strontium	4.6	mg/L		0.1		1	E200.8	05/09/08 00:49/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	05/09/08 00:49/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/09/08 00:49/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.52					1	A1030 E	06/19/08 00:00/ADM
Anions	32.8	meq/L				1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
Cations	35.2	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	2280	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	06/19/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B			Batch: 080430A-ALK-SEL-W						
Sample ID: R08040364-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080429A		05/01/08 12:24		
Alkalinity, Total as CaCO ₃	534	mg/L	5.0	100	80	120			
Sample ID: R08040364-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080429A		05/01/08 12:27		
Alkalinity, Total as CaCO ₃	534	mg/L	5.0	100	80	120	0.0	10	
Method: A2510 B			Batch: 080508_2_COND-PROBE-W						
Sample ID: LCS1-1_080508	Laboratory Control Sample				Run: PH_COND2-R_080508A		05/08/08 13:12		
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080508	Laboratory Control Sample				Run: PH_COND2-R_080508A		05/08/08 13:16		
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080508	Laboratory Control Sample				Run: PH_COND2-R_080508A		05/08/08 13:18		
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: R08040364-007ADUP	Sample Duplicate				Run: PH_COND2-R_080508A		05/08/08 14:42		
Conductivity @ 25 C	3090	umhos/cm	5.0				9.5	10	
Method: A2540 C			Batch: 080501A-SLDS-TDS-W						
Sample ID: LCS1_080501A	Laboratory Control Sample				Run: BAL-4-R_080501A		05/05/08 09:44		
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080501A	Method Blank				Run: BAL-4-R_080501A		05/01/08 14:28		
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040362-018AMS	Sample Matrix Spike				Run: BAL-4-R_080501A		05/05/08 09:53		
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	124	80	120			S
Sample ID: R08040362-018AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080501A		05/05/08 09:54		
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	128	80	120	0.4	10	S
Method: A2580 B			Batch: 080505-ORP-ISE-W						
Sample ID: R08040364-007F	Sample Duplicate				Run: PH_COND1-R_080505A		05/05/08 00:00		
Oxidation-Reduction Potential	180	mV					1.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3112 B							Batch: C_HG3112-7470-080612		
Sample ID: MBLK	Method Blank				Run: SUB-C102580				06/12/08 14:14
Mercury	ND	mg/L	5E-05						
Sample ID: 288-88-5	Laboratory Control Sample				Run: SUB-C102580				06/12/08 14:21
Mercury	0.0051	mg/L	0.00010	103	90	110			
Sample ID: R08040364-001I	Sample Matrix Spike				Run: SUB-C102580				06/12/08 14:26
Mercury	0.0057	mg/L	0.00010	113	85	115			
Sample ID: R08040364-001I	Sample Matrix Spike Duplicate				Run: SUB-C102580				06/12/08 14:29
Mercury	0.0057	mg/L	0.00010	112	85	115	0.9	10	
Method: A3114 B							Batch: C_SE3114-080508A		
Sample ID: MBLK	Method Blank				Run: SUB-C100845				05/08/08 11:25
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-72-6	Laboratory Control Sample				Run: SUB-C100845				05/08/08 11:28
Selenium-IV	0.050	mg/L	0.0010	101	90	110			
Sample ID: R08040364-001E	Sample Matrix Spike				Run: SUB-C100845				05/08/08 11:33
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: R08040364-001E	Sample Matrix Spike Duplicate				Run: SUB-C100845				05/08/08 11:35
Selenium-IV	0.047	mg/L	0.0010	95	85	115	5.4	10	
Method: A3114 B							Batch: C_SE3114-080508B		
Sample ID: MBLK	Method Blank				Run: SUB-C100885				05/08/08 16:36
Selenium	ND	mg/L	6E-05						
Sample ID: 288-72-6	Laboratory Control Sample				Run: SUB-C100885				05/08/08 16:38
Selenium	0.047	mg/L	0.0010	95	90	110			
Sample ID: R08040364-001E	Sample Matrix Spike				Run: SUB-C100885				05/08/08 16:42
Selenium	0.053	mg/L	0.0010	88	85	115			
Sample ID: R08040364-001E	Sample Matrix Spike Duplicate				Run: SUB-C100885				05/08/08 16:44
Selenium	0.054	mg/L	0.0010	90	85	115	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: 080506_1_PH-W		
Sample ID: LCS_pH-1_080506	Laboratory Control Sample				Run: PH_COND2-R_080506A		05/06/08 14:09		
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040364-001ADUP	Sample Duplicate				Run: PH_COND2-R_080506A		05/06/08 14:10		
pH	7.48	s.u.	0.010				0.3	1.25	
Method: A4500-NH3 G							Batch: A2008-05-06_2_NH3_01		
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080506A		05/06/08 10:09		
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080506A		05/06/08 10:10		
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080506A		05/06/08 10:12		
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: R08040362-014CMS	Sample Matrix Spike				Run: TECHAA2-R_080506A		05/06/08 14:53		
Nitrogen, Ammonia as N	0.11	mg/L	0.10	45	80	120			S
Sample ID: R08040362-014CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080506A		05/06/08 14:54		
Nitrogen, Ammonia as N	0.095	mg/L	0.10	38	80	120	0.0	10	S
Sample ID: R08040364-004BMS	Sample Matrix Spike				Run: TECHAA2-R_080506A		05/06/08 15:07		
Nitrogen, Ammonia as N	0.44	mg/L	0.10	80	80	120			
Sample ID: R08040364-004BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080506A		05/06/08 15:08		
Nitrogen, Ammonia as N	0.46	mg/L	0.10	88	80	120	4.7	10	
Method: D5072-92							Batch: C_R100659		
Sample ID: R08040364-001G	Sample Duplicate				Run: SUB-C100659		05/04/08 18:36		
Radon 222	693	pCi/L	100				8.5	30	
Sample ID: R08040364-007G	Sample Duplicate				Run: SUB-C100659		05/04/08 18:36		
Radon 222	1070	pCi/L	100				0.1	30	
Sample ID: MB-R100659	Method Blank				Run: SUB-C100659		05/04/08 18:36		
Radon 222	20	pCi/L							
Sample ID: LCS-R100659	Laboratory Control Sample				Run: SUB-C100659		05/04/08 18:36		
Radon 222	303	pCi/L	100	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18513		
Sample ID: MB-18513	Method Blank		Run: SUB-C100898				05/09/08 01:36		
Boron	0.02	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-18513	Laboratory Control Sample		Run: SUB-C100898				05/09/08 01:40		
Boron	0.481	mg/L	0.10	93	85	115			
Iron	2.63	mg/L	0.030	105	85	115			
Sample ID: C08050144-001B MS3	Sample Matrix Spike		Run: SUB-C100898				05/09/08 04:07		
Boron	0.714	mg/L	0.10	95	70	130			
Iron	2.72	mg/L	0.030	108	70	130			
Sample ID: C08050144-001B MSD3	Sample Matrix Spike Duplicate		Run: SUB-C100898				05/09/08 04:11		
Boron	0.737	mg/L	0.10	100	70	130	3.2	20	
Iron	2.73	mg/L	0.030	108	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101361		
Sample ID: MB-080519A	Method Blank		Run: SUB-C101361				05/19/08 15:19		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Cadmium	ND	mg/L	0.0008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.004	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080519A	Laboratory Fortified Blank		Run: SUB-C101361				05/19/08 15:23		
Silica	0.30	mg/L	0.10	98	85	125			
Aluminum	1.1	mg/L	0.10	106	85	125			
Barium	1.0	mg/L	0.10	103	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Cadmium	1.1	mg/L	0.010	107	85	125			
Calcium	53	mg/L	0.50	107	85	125			
Chromium	1.0	mg/L	0.050	103	85	125			
Iron	1.1	mg/L	0.030	110	85	125			
Magnesium	54	mg/L	0.50	107	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	103	85	125			
Potassium	47	mg/L	0.50	95	85	125			
Sodium	51	mg/L	0.77	103	85	125			
Vanadium	1.1	mg/L	0.10	107	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: C08050067-001CMS2	Sample Matrix Spike		Run: SUB-C101361				05/19/08 15:51		
Aluminum	2.03	mg/L	0.10	100	70	130			
Barium	2.02	mg/L	0.10	98	70	130			
Boron	2.52	mg/L	0.10	100	70	130			
Cadmium	2.05	mg/L	0.010	101	70	130			
Chromium	2.01	mg/L	0.050	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101361		
Sample ID: C08050067-001CMS2	Sample Matrix Spike		Run: SUB-C101361				05/19/08 15:51		
Iron	2.13	mg/L	0.030	104	70	130			
Manganese	2.02	mg/L	0.010	99	70	130			
Molybdenum	1.94	mg/L	0.10	95	70	130			
Nickel	2.01	mg/L	0.050	99	70	130			
Vanadium	2.17	mg/L	0.10	104	70	130			
Zinc	2.03	mg/L	0.010	99	70	130			
Calcium	654	mg/L	1.0		70	130			A
Magnesium	233	mg/L	1.0	102	70	130			
Potassium	103	mg/L	1.0	91	70	130			
Silica	7.85	mg/L	0.10	71	70	130			
Sodium	194	mg/L	1.5	98	70	130			
Sample ID: C08050067-001CMSD2	Sample Matrix Spike Duplicate		Run: SUB-C101361				05/19/08 15:55		
Aluminum	2.04	mg/L	0.10	100	70	130	0.2	20	
Barium	2.04	mg/L	0.10	99	70	130	1.1	20	
Boron	2.54	mg/L	0.10	102	70	130	1.0	20	
Cadmium	2.06	mg/L	0.010	101	70	130	0.3	20	
Chromium	2.04	mg/L	0.050	100	70	130	1.3	20	
Iron	2.20	mg/L	0.030	108	70	130	3.2	20	
Manganese	2.05	mg/L	0.010	101	70	130	1.7	20	
Molybdenum	2.00	mg/L	0.10	97	70	130	2.8	20	
Nickel	2.03	mg/L	0.050	99	70	130	0.8	20	
Vanadium	2.18	mg/L	0.10	104	70	130	0.3	20	
Zinc	2.06	mg/L	0.010	101	70	130	1.3	20	
Calcium	664	mg/L	1.0		70	130	1.5	20	A
Magnesium	239	mg/L	1.0	109	70	130	2.7	20	
Potassium	102	mg/L	1.0	90	70	130	1.0	20	
Silica	7.85	mg/L	0.10	71	70	130	0.1	20	
Sodium	192	mg/L	1.5	96	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101431		
Sample ID: MB-080520A	Method Blank				Run: SUB-C101431		05/20/08 14:34		
Copper	ND	mg/L	0.005						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080520A	Laboratory Fortified Blank				Run: SUB-C101431		05/20/08 14:38		
Copper	1.0	mg/L	0.010	101	85	125			
Sodium	51	mg/L	0.77	103	85	125			
Sample ID: C08050094-002FMS2	Sample Matrix Spike				Run: SUB-C101431		05/20/08 15:02		
Copper	2.14	mg/L	0.010	105	70	130			
Sodium	156	mg/L	1.5	102	70	130			
Sample ID: C08050094-002FMDS2	Sample Matrix Spike Duplicate				Run: SUB-C101431		05/20/08 15:07		
Copper	2.03	mg/L	0.010	99	70	130	5.3	20	
Sodium	155	mg/L	1.5	100	70	130	1.2	20	
Method: E200.7							Batch: C_R103044		
Sample ID: MB-080620A	Method Blank				Run: SUB-C103044		06/20/08 15:38		
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080620A	Laboratory Fortified Blank				Run: SUB-C103044		06/20/08 15:42		
Sodium	51	mg/L	0.77	101	85	125			
Sample ID: R08040364-003C	Sample Matrix Spike				Run: SUB-C103044		06/20/08 15:50		
Sodium	2590	mg/L	7.7		70	130			A
Sample ID: R08040364-003C	Sample Matrix Spike Duplicate				Run: SUB-C103044		06/20/08 15:54		
Sodium	2620	mg/L	7.7		70	130	1.2	20	A

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18513		
Sample ID: MB-18513	Method Blank		Run: SUB-C100862				05/08/08 23:22		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0001	mg/L	5E-05						
Barium	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	0.002	mg/L	5E-05						
Copper	0.0004	mg/L	0.0001						
Lead	ND	mg/L	5E-05						
Manganese	0.0001	mg/L	3E-05						
Molybdenum	8E-05	mg/L	5E-05						
Nickel	ND	mg/L	0.0002						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	0.0001	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS3-18513	Laboratory Control Sample		Run: SUB-C100862				05/08/08 23:28		
Antimony	0.564	mg/L	0.050	113	85	115			
Arsenic	0.507	mg/L	0.0010	101	85	115			
Barium	0.530	mg/L	0.10	106	85	115			
Beryllium	0.263	mg/L	0.010	105	85	115			
Cadmium	0.255	mg/L	0.010	102	85	115			
Chromium	0.488	mg/L	0.050	97	85	115			
Copper	0.476	mg/L	0.010	95	85	115			
Lead	0.516	mg/L	0.050	103	85	115			
Manganese	2.47	mg/L	0.010	99	85	115			
Molybdenum	0.554	mg/L	0.10	111	85	115			
Nickel	0.485	mg/L	0.050	97	85	115			
Selenium	0.492	mg/L	0.0010	98	85	115			
Silver	0.0497	mg/L	0.010	99	85	115			
Strontium	0.512	mg/L	0.10	102	85	115			
Thallium	0.515	mg/L	0.10	103	85	115			
Uranium	0.534	mg/L	0.00030	107	85	115			
Zinc	0.470	mg/L	0.010	94	85	115			
Sample ID: C08050144-001BMS3	Sample Matrix Spike		Run: SUB-C100862				05/09/08 02:38		
Antimony	0.551	mg/L	0.050	108	70	130			
Arsenic	0.528	mg/L	0.0010	101	70	130			
Barium	0.642	mg/L	0.10	106	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18513		
Sample ID: C08050144-001BMS3	Sample Matrix Spike			Run: SUB-C100862			05/09/08 02:38		
Beryllium	0.245	mg/L	0.010	98	70	130			
Cadmium	0.251	mg/L	0.010	100	70	130			
Chromium	0.433	mg/L	0.050	86	70	130			
Copper	0.474	mg/L	0.010	95	70	130			
Lead	0.525	mg/L	0.050	105	70	130			
Manganese	2.14	mg/L	0.010	85	70	130			
Molybdenum	0.577	mg/L	0.10	115	70	130			
Nickel	0.486	mg/L	0.050	97	70	130			
Selenium	0.462	mg/L	0.0010	92	70	130			
Silver	0.0490	mg/L	0.010	98	70	130			
Strontium	0.840	mg/L	0.10	98	70	130			
Thallium	0.545	mg/L	0.10	109	70	130			
Uranium	0.559	mg/L	0.00030	112	70	130			
Zinc	0.449	mg/L	0.010	88	70	130			
Sample ID: C08050144-001BMSD3	Sample Matrix Spike Duplicate			Run: SUB-C100862			05/09/08 02:44		
Antimony	0.537	mg/L	0.050	106	70	130	2.4	20	
Arsenic	0.521	mg/L	0.0010	100	70	130	1.3	20	
Barium	0.634	mg/L	0.10	105	70	130	1.3	20	
Beryllium	0.248	mg/L	0.010	99	70	130	1.1	20	
Cadmium	0.244	mg/L	0.010	98	70	130	2.6	20	
Chromium	0.442	mg/L	0.050	88	70	130	2.0	20	
Copper	0.463	mg/L	0.010	92	70	130	2.3	20	
Lead	0.523	mg/L	0.050	104	70	130	0.4	20	
Manganese	2.21	mg/L	0.010	88	70	130	3.2	20	
Molybdenum	0.554	mg/L	0.10	110	70	130	4.0	20	
Nickel	0.474	mg/L	0.050	95	70	130	2.4	20	
Selenium	0.461	mg/L	0.0010	92	70	130	0.2	20	
Silver	0.0480	mg/L	0.010	96	70	130	2.1	20	
Strontium	0.841	mg/L	0.10	98	70	130	0.2	20	
Thallium	0.524	mg/L	0.10	105	70	130	3.9	20	
Uranium	0.535	mg/L	0.00030	107	70	130	4.5	20	
Zinc	0.444	mg/L	0.010	87	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18574		
Sample ID: MB-18574	Method Blank				Run: SUB-C101315		05/18/08 12:44		
Uranium	2E-05	mg/L	2E-05						
Sample ID: LCS1-18574	Laboratory Control Sample				Run: SUB-C101315		05/18/08 12:48		
Uranium	0.0471	mg/L	0.00030	89	80	120			
Sample ID: R08040364-007I	Post Digestion Spike				Run: SUB-C101315		05/18/08 13:42		
Uranium	0.0117	mg/L	0.00030	94	70	130			
Sample ID: R08040364-007I	Post Digestion Spike Duplicate				Run: SUB-C101315		05/18/08 13:46		
Uranium	0.0119	mg/L	0.00030	95	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R101440		
Sample ID: LRB	Method Blank				Run: SUB-C101440		05/20/08 12:00		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Silver	0.0002	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C101440		05/20/08 12:06		
Arsenic	0.0514	mg/L	0.0010	103	85	115			
Cadmium	0.0519	mg/L	0.0010	104	85	115			
Copper	0.0524	mg/L	0.0010	105	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Manganese	0.0529	mg/L	0.0010	106	85	115			
Mercury	0.00510	mg/L	0.0010	102	85	115			
Silver	0.0202	mg/L	0.0010	100	85	115			
Thorium 232	0.0516	mg/L	0.0010	103	85	115			
Uranium	0.0515	mg/L	0.00030	103	85	115			
Sample ID: C08050092-001DMS4	Post Digestion Spike				Run: SUB-C101440		05/20/08 14:06		
Arsenic	0.0539	mg/L	0.0010	107	70	130			
Cadmium	0.0538	mg/L	0.010	107	70	130			
Copper	0.0500	mg/L	0.010	99	70	130			
Lead	0.0530	mg/L	0.050	106	70	130			
Manganese	0.0596	mg/L	0.010	110	70	130			
Mercury	0.00529	mg/L	0.0010	106	70	130			
Silver	0.0137	mg/L	0.010	68	70	130			S
Thorium 232	0.0533	mg/L	0.0010	107	70	130			
Uranium	0.153	mg/L	0.00030	104	70	130			
Sample ID: C08050092-001DMSD4	Post Digestion Spike Duplicate				Run: SUB-C101440		05/20/08 14:13		
Arsenic	0.0527	mg/L	0.0010	104	70	130	2.2	20	
Cadmium	0.0525	mg/L	0.010	105	70	130	2.3	20	
Copper	0.0488	mg/L	0.010	97	70	130	2.4	20	
Lead	0.0525	mg/L	0.050	105	70	130	0.9	20	
Manganese	0.0579	mg/L	0.010	107	70	130	2.9	20	
Mercury	0.00546	mg/L	0.0010	109	70	130	3.1	20	
Silver	0.0113	mg/L	0.010	57	70	130	19	20	S
Thorium 232	0.0534	mg/L	0.0010	107	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R101440		
Sample ID: C08050092-001DMSD4	Post Digestion Spike Duplicate			Run: SUB-C101440			05/20/08 14:13		
Uranium	0.155	mg/L	0.00030	108	70	130	1.3	20	
Method: E300.0							Batch: G_R159465		
Sample ID: LCS	Laboratory Control Sample			Run: SUB-G159465			05/10/08 14:58		
Chloride	28.1	mg/L	1.0	93	90	110			
Fluoride	20.2	mg/L	0.10	100	90	110			
Sulfate	142	mg/L	1.0	94	90	110			
Sample ID: MBLK	Method Blank			Run: SUB-G159465			05/10/08 15:10		
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Sulfate	ND	mg/L	0.04						
Sample ID: R08050024-004B	Sample Matrix Spike			Run: SUB-G159465			05/11/08 02:37		
Chloride	411	mg/L	1.0	97	80	120			
Fluoride	39.2	mg/L	0.10	99	80	120			
Sulfate	660	mg/L	1.0	97	80	120			
Sample ID: R08050024-004B	Sample Matrix Spike Duplicate			Run: SUB-G159465			05/11/08 02:49		
Chloride	407	mg/L	1.0	97	80	120	0.9	20	
Fluoride	38.8	mg/L	0.10	98	80	120	1.0	20	
Sulfate	658	mg/L	1.0	96	80	120	0.3	20	
Sample ID: G08050354-007BMS	Sample Matrix Spike			Run: SUB-G159465			05/11/08 08:04		
Chloride	1060	mg/L	2.1	100	80	120			
Fluoride	99.9	mg/L	0.18	101	80	120			
Sample ID: G08050354-007BMSD	Sample Matrix Spike Duplicate			Run: SUB-G159465			05/11/08 08:16		
Chloride	1080	mg/L	2.1	102	80	120	1.8	20	
Fluoride	102	mg/L	0.18	103	80	120	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: G_R159560		
Sample ID: LCS	Laboratory Control Sample			Run: SUB-G159560			05/12/08 13:35		
Chloride	27.4	mg/L	1.0	91	90	110			
Fluoride	19.0	mg/L	0.10	94	90	110			
Sample ID: MBLK	Method Blank			Run: SUB-G159560			05/12/08 13:46		
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Sample ID: G08050351-005AMS	Sample Matrix Spike			Run: SUB-G159560			05/12/08 23:27		
Chloride	261	mg/L	1.0	101	80	120			
Fluoride	19.8	mg/L	0.10	98	80	120			
Sample ID: G08050351-005AMSD	Sample Matrix Spike Duplicate			Run: SUB-G159560			05/12/08 23:39		
Chloride	263	mg/L	1.0	102	80	120	0.9	20	
Fluoride	20.0	mg/L	0.10	100	80	120	1.1	20	
Sample ID: G08050409-001AMS	Sample Matrix Spike			Run: SUB-G159560			05/13/08 15:35		
Chloride	204	mg/L	1.0	101	80	120			
Fluoride	21.3	mg/L	0.10	101	80	120			
Sample ID: G08050409-001AMSD	Sample Matrix Spike Duplicate			Run: SUB-G159560			05/13/08 15:47		
Chloride	202	mg/L	1.0	101	80	120	0.6	20	
Fluoride	21.1	mg/L	0.10	100	80	120	0.9	20	
Method: E353.2							Batch: A2008-05-01_3_NO2_01		
Sample ID: MBLK-2	Method Blank			Run: TECHAA1-R_080501A			05/01/08 12:43		
Nitrogen, Nitrite as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank			Run: TECHAA1-R_080501A			05/01/08 12:45		
Nitrogen, Nitrite as N	0.249	mg/L	0.050	100	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank			Run: TECHAA1-R_080501A			05/01/08 12:47		
Nitrogen, Nitrite as N	0.250	mg/L	0.050	100	90	110			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_R101650		
Sample ID: C08050092-001IMS	Sample Matrix Spike				Run: SUB-C101650			05/20/08 10:25	
Gross Alpha	220	pCi/L		111	70	130			
Gross Beta	120	pCi/L		101	70	130			
Sample ID: C08050092-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C101650			05/20/08 10:25	
Gross Alpha	220	pCi/L		110	70	130	0.4	30	
Gross Beta	120	pCi/L		99	70	130	2.0	30	
Sample ID: MB-R101650	Method Blank				Run: SUB-C101650			05/20/08 10:25	
Gross Alpha	0.1	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: LCS-R101650	Laboratory Control Sample				Run: SUB-C101650			05/20/08 10:25	
Gross Alpha	140	pCi/L		98	70	130			
Gross Beta	93	pCi/L		101	70	130			
Method: E901.1							Batch: C_R100708		
Sample ID: LCS-R100708	Laboratory Control Sample				Run: SUB-C100708			05/01/08 17:22	
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	109	70	130			
Sample ID: MB-R100708	Method Blank				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	ND	pCi/L							
Sample ID: R08040364-001H	Sample Duplicate				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	ND	pCi/L	20				0.0	30	U
Sample ID: R08040364-007H	Sample Duplicate				Run: SUB-C100708			05/01/08 17:22	
Gross Gamma	ND	pCi/L	20				0.0	30	U
Method: E903.0							Batch: C_18574		
Sample ID: R08040364-003I	Sample Matrix Spike				Run: SUB-C101573			05/21/08 08:27	
Radium 226	80	pCi/L		101	70	130			
Sample ID: R08040364-003I	Sample Matrix Spike Duplicate				Run: SUB-C101573			05/21/08 08:27	
Radium 226	76	pCi/L		96	70	130	5.7	22.9	
Sample ID: MB-18574	Method Blank				Run: SUB-C101573			05/21/08 10:15	
Radium 226	3	pCi/L							
Sample ID: LCS-18574	Laboratory Control Sample				Run: SUB-C101573			05/21/08 10:15	
Radium 226	15	pCi/L		95	70	130			

Qualifiers:

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U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_RA226-2792		
Sample ID: C08050086-001JMS	Sample Matrix Spike				Run: SUB-C101353				05/19/08 18:41
Radium 226	7.7	pCi/L		106	70	130			
Sample ID: C08050086-001JMSD	Sample Matrix Spike Duplicate				Run: SUB-C101353				05/19/08 18:41
Radium 226	7.8	pCi/L		107	70	130	1.0	21.2	
Sample ID: MB-RA226-2792	Method Blank				Run: SUB-C101353				05/19/08 22:54
Radium 226	0.09	pCi/L							U
Sample ID: LCS-RA226-2792	Laboratory Control Sample				Run: SUB-C101353				05/19/08 22:54
Radium 226	6.9	pCi/L		107	70	130			
Method: E907.0							Batch: C_18574		
Sample ID: C08041302-003AMS	Sample Matrix Spike				Run: SUB-C101858				05/19/08 16:00
Thorium 230	86.9	pCi/Filter	0.20	92	70	130			
Sample ID: C08041302-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101858				05/19/08 16:00
Thorium 230	90.6	pCi/Filter	0.20	97	70	130	4.2	30	
Sample ID: LCS-R101858	Laboratory Control Sample				Run: SUB-C101858				05/19/08 16:00
Thorium 230	22.5	pCi/L	0.20	98	70	130			
Sample ID: MB-R101858	Method Blank				Run: SUB-C101858				05/19/08 16:00
Thorium 230	0.1	pCi/L							
Method: E907.0							Batch: C_R101862		
Sample ID: LCS-R101862	Laboratory Control Sample				Run: SUB-C101862				05/21/08 15:00
Thorium 230	6.30	pCi/L	0.20	91	70	130			
Sample ID: R08040364-001H	Sample Matrix Spike				Run: SUB-C101862				05/21/08 15:00
Thorium 230	15.8	pCi/L	0.20	102	70	130			
Sample ID: R08040364-001H	Sample Matrix Spike Duplicate				Run: SUB-C101862				05/21/08 15:00
Thorium 230	16.1	pCi/L	0.20	99	70	130	1.9	30	
Sample ID: MB-R101862	Method Blank				Run: SUB-C101862				05/21/08 15:00
Thorium 230	ND	pCi/L							U

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R102417		
Sample ID: LCS-R102417	Laboratory Control Sample				Run: SUB-C102417			05/29/08 16:00	
Thorium 230	10.4	pCi/L	0.20	94	70	130			
Sample ID: MB-R102417	Method Blank				Run: SUB-C102417			05/29/08 16:00	
Thorium 230	0.1	pCi/L							
Sample ID: TAP WATER MS	Sample Matrix Spike				Run: SUB-C102417			05/29/08 16:00	
Thorium 230	10.1	pCi/L	0.20	92	70	130			
- MS and MSD are using the MB as a reference because the analyst forgot to include an unspiked Tap Water with the run. The recoveries are within limits so the batch is acceptable.									
Sample ID: TAP WATER MSD	Sample Matrix Spike Duplicate				Run: SUB-C102417			05/29/08 16:00	
Thorium 230	9.20	pCi/L	0.20	84	70	130	9.3	30	
- MS and MSD are using the MB as a reference because the analyst forgot to include an unspiked Tap Water with the run. The recoveries are within limits so the batch is acceptable.									
Method: E909.0M							Batch: C_18556		
Sample ID: C08050730-007FMD	Sample Duplicate				Run: SUB-C102106			05/22/08 09:00	
Lead 210	-41	pCi/L	1.0				0.0	30	
Sample ID: C08050730-007FMS	Sample Matrix Spike				Run: SUB-C102106			05/22/08 09:00	
Lead 210	500	pCi/L	1.0	87	70	130			
Sample ID: MB-R102106	Method Blank				Run: SUB-C102106			05/22/08 09:00	
Lead 210	ND	pCi/L							
Sample ID: LCS-R102106	Laboratory Control Sample				Run: SUB-C102106			05/22/08 09:00	
Lead 210	120	pCi/L	1.0	103	70	130			
Method: E909.0M							Batch: C_R102460		
Sample ID: R08040364-002H	Sample Matrix Spike				Run: SUB-C102460			05/27/08 08:30	
Lead 210	520	pCi/L	1.0	89	70	130			
Sample ID: R08040364-002H	Sample Matrix Spike Duplicate				Run: SUB-C102460			05/27/08 08:30	
Lead 210	640	pCi/L	1.0	109	70	130	20	30	
Sample ID: MB-R102460	Method Blank				Run: SUB-C102460			05/27/08 08:30	
Lead 210	ND	pCi/L							U
Sample ID: LCS-R102460	Laboratory Control Sample				Run: SUB-C102460			05/27/08 08:30	
Lead 210	130	pCi/L	1.0	111	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 06/27/08

Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_18574		
Sample ID: C08050370-001BMS	Sample Matrix Spike				Run: SUB-C102360			06/02/08 13:40	
Polonium 210	48	pCi/L	1.0	98	70	130			
Sample ID: C08050370-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102360			06/02/08 13:40	
Polonium 210	52	pCi/L	1.0	106	70	130	7.1	30	
Sample ID: LCS-R102360	Laboratory Control Sample				Run: SUB-C102360			06/02/08 13:40	
Polonium 210	76	pCi/L	1.0	88	70	130			
Sample ID: MB-R102360	Method Blank				Run: SUB-C102360			06/02/08 13:40	
Polonium 210	-0.5	pCi/L							
Method: RMO-3008							Batch: C_R100979		
Sample ID: R08040364-007H	Sample Matrix Spike				Run: SUB-C100979			05/06/08 17:00	
Polonium 210	160	pCi/L	1.0	90	70	130			
Sample ID: R08040364-007H	Sample Matrix Spike Duplicate				Run: SUB-C100979			05/06/08 17:00	
Polonium 210	150	pCi/L	1.0	88	70	130	1.9	30	
Sample ID: LCS-R100979	Laboratory Control Sample				Run: SUB-C100979			05/06/08 17:00	
Polonium 210	81	pCi/L	1.0	92	70	130			
Sample ID: MB-R100979	Method Blank				Run: SUB-C100979			05/06/08 17:00	
Polonium 210	0.9	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT. Provide as much information as possible.

Company Name: RESEC		Project Name, PWS, Permit, Etc. PowerTech		Sample Origin State: SD		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>					
Report Mail Address: LESTER		Contact Name: copy for m e r s e c . c o m		Phone/Fax:		Email: Earl Kautz					
Invoice Address: LESTER		Invoice Contact & Phone: #		Purchase Order:		Quote/Bottle Order:					
Special Report/Formats – EI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC				ANALYSIS REQUESTED See Attached Normal Turnaround (TAT) U S H				Contact EI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: At 1 GW		Shipped by: Cooler Type: Receipt Temp 3.1 °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)				Collection Date		Collection Time		MATRIX		Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other	
1. Don Burd GW 674				4/29/08		12:27		W		set 4	
2. Don Burd GW 678				4/29/08		13:41		W		set 9	
3. Don Burd GW 677				4/29/08		15:14		W		set 12	
4. Don Burd GW 675				4/29/08		17:47		W		set 6	
5. Don Burd GW 675				4/29/08		13:50		W		set 13	
6. Don Burd GW 675				4/29/08		18:00		W		set 11	
7. Don Burd GW 685				4/29/08		19:00		W		set 11	
8. Don Burd GW 685				4/29/08		19:00		W		set 11	
9. Don Burd GW 685				4/29/08		19:00		W		set 11	
10. Don Burd GW 685				4/29/08		19:00		W		set 11	
Custody Record Relinquished by (print): Earl Kautz Date/Time: 4/30/08 08:05 Signature: Earl Kautz Relinquished by (print): Earl Kautz Date/Time: 4/30/08 08:05 Signature: Earl Kautz				Received by (print): Kurt R. Schmitz Date/Time: 4/30/08 08:05 Signature: Kurt R. Schmitz		Received by Laboratory: Earl Kautz Date/Time: 4/30/08 08:05 Signature: Earl Kautz		Signature: Earl Kautz		Signature: Earl Kautz	
Sample Disposal: Return to Client				Lab Disposal: Return to Client		Lab Disposal: Return to Client		Lab Disposal: Return to Client		Lab Disposal: Return to Client	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

July 29, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050143

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 5/13/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050143-001	DewBurd GW681	05/12/08 12:45	05/13/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050143-001
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 05/12/08 12:45
Date Received: 05/13/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	174	mg/L		5		1	A2320 B	05/19/08 09:16/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/19/08 09:16/mb
Bicarbonate as HCO ₃	212	mg/L		5		1	A2320 B	05/19/08 09:16/mb
Calcium	65.5	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Chloride	15	mg/L		1		1	E300.0	05/13/08 22:19/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	05/13/08 22:19/jmh
Magnesium	25.1	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	05/15/08 13:00/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/13/08 22:19/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/13/08 22:19/jmh
Potassium	9.6	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Sodium	212	mg/L	D	2		2	E200.7	05/23/08 16:01/eli-c
Sulfate	449	mg/L	D	3		50	E300.0	05/13/08 22:02/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	05/16/08 14:54/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/19/08 00:00/jmh
pH	7.91	s.u.		0.01		1	A4500-H B	05/16/08 11:40/tb
Sodium Adsorption Ratio (SAR)	5.6	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	05/14/08 08:25/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/04/08 04:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 04:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/23/08 16:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 04:31/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/23/08 16:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 04:31/eli-c
Manganese	0.10	mg/L		0.01		2	E200.7	05/23/08 16:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 04:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/23/08 16:01/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 04:31/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

Page 1 of 3



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050143-001
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 05/12/08 12:45
Date Received: 05/13/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 04:31/eli-c
Uranium	0.0095	mg/L		0.0003		1	E200.8	06/04/08 04:31/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/23/08 16:01/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/03/08 22:53/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:07/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2220	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha precision (±)	32.1	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha MDC	4.5	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta	675	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta precision (±)	7.9	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Lead 210	40.5	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	10.2	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	407	pCi/L				1	E903.0	05/28/08 13:52/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	05/28/08 13:52/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/23/08 11:45/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/23/08 11:45/eli-c
Gross Gamma	290	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	35	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	20.8	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Lead 210 precision (±)	9.4	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Lead 210 MDC	15.1	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Polonium 210	2.4	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	1.8	pCi/L				1	E903.0	06/02/08 15:56/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050143-001
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 05/12/08 12:45
Date Received: 05/13/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/02/08 15:56/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/02/08 15:56/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	05/23/08 10:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/23/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	246	pCi/L		100		1	D5072-92	05/19/08 19:17/eli-c
Radon 222 precision (±)	107	pCi/L				1	D5072-92	05/19/08 19:17/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/28/08 13:40/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/20/08 22:05/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/23/08 17:14/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/20/08 22:05/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/20/08 22:05/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/20/08 22:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Manganese	0.10	mg/L		0.01		2	E200.7	05/20/08 22:05/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/02/08 08:05/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	05/28/08 13:40/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/20/08 22:05/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/28/08 13:40/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	05/20/08 22:05/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Uranium	0.0104	mg/L		0.0003		1	E200.8	05/28/08 13:40/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/23/08 17:14/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.47	%				1	A1030 E	07/18/08 00:00/jmh
Anions	13.3	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	14.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	891	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	07/18/08 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080519A-ALK-SEL-W							
Sample ID: LCS1_080519A	Laboratory Control Sample					Run: PH_COND1-R_080519A			05/19/08 09:09
Alkalinity, Total as CaCO ₃	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080519A	Method Blank					Run: PH_COND1-R_080519A			05/19/08 09:13
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08050158-009AMS	Sample Matrix Spike					Run: PH_COND1-R_080519A			05/19/08 09:51
Alkalinity, Total as CaCO ₃	168	mg/L	5.0	102	80	120			
Sample ID: R08050158-009AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080519A			05/19/08 09:53
Alkalinity, Total as CaCO ₃	168	mg/L	5.0	102	80	120	0.0	10	
Method: A2510 B		Batch: 080516_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080516	Laboratory Control Sample					Run: PH_COND2-R_080516A			05/16/08 14:52
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: LCS1-1_080516	Laboratory Control Sample					Run: PH_COND2-R_080516A			05/16/08 14:52
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080516	Laboratory Control Sample					Run: PH_COND2-R_080516A			05/16/08 14:53
Conductivity @ 25 C	4970	umhos/cm	5.0	99	90	110			
Sample ID: R08050199-001ADUP	Sample Duplicate					Run: PH_COND2-R_080516A			05/16/08 15:02
Conductivity @ 25 C	2560	umhos/cm	5.0				0.8	10	
Method: A2540 C		Batch: 080514A-SLDS-TDS-W							
Sample ID: LCS1_080514A	Laboratory Control Sample					Run: BAL-4-R_080515A			05/14/08 08:22
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	106	90	110			
Sample ID: MBLK1_080514A	Method Blank					Run: BAL-4-R_080515A			05/14/08 08:23
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08050158-006AMS	Sample Matrix Spike					Run: BAL-4-R_080515A			05/14/08 08:29
Solids, Total Dissolved TDS @ 180 C	400	mg/L	5.0	104	80	120			
Sample ID: R08050158-006AMSD	Sample Matrix Spike Duplicate					Run: BAL-4-R_080515A			05/14/08 08:29
Solids, Total Dissolved TDS @ 180 C	400	mg/L	5.0	102	80	120	1.0	10	
Method: A2580 B		Batch: 080519-ORP-ISE-W							
Sample ID: R08050143-001F	Sample Duplicate					Run: PH_COND1-R_080519B			05/19/08 00:00
Oxidation-Reduction Potential	240	mV					2.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080603A		
Sample ID: MBLK	Method Blank					Run: SUB-C102059			06/03/08 11:03
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample					Run: SUB-C102059			06/03/08 11:05
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike					Run: SUB-C102059			06/03/08 11:14
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate					Run: SUB-C102059			06/03/08 11:16
Selenium-IV	0.051	mg/L	0.0010	103	85	115	1.1	10	
Method: A3114 B							Batch: C_SE3114-080603B		
Sample ID: MBLK	Method Blank					Run: SUB-C102093			06/03/08 15:00
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample					Run: SUB-C102093			06/03/08 15:02
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike					Run: SUB-C102093			06/03/08 15:06
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate					Run: SUB-C102093			06/03/08 15:08
Selenium	0.050	mg/L	0.0010	99	85	115	1.3	10	
Method: A4500-H B							Batch: 080516_1_PH-W		
Sample ID: LCS_pH-1_080516	Laboratory Control Sample					Run: PH_COND2-R_080516A			05/16/08 11:36
pH	6.93	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G Batch: A2008-05-15_2_NH3_01									
Sample ID: MBLK-2 Nitrogen, Ammonia as N	Method Blank ND	mg/L	0.01				Run: TECHAA2-R_080515A		05/15/08 11:37
Sample ID: LFB-3 Nitrogen, Ammonia as N	Laboratory Fortified Blank 0.27	mg/L	0.10	108	90	110	Run: TECHAA2-R_080515A		05/15/08 11:38
Sample ID: LFB-4 Nitrogen, Ammonia as N	Laboratory Fortified Blank 0.26	mg/L	0.10	105	90	110	Run: TECHAA2-R_080515A		05/15/08 11:39
Sample ID: R08050116-003BMS Nitrogen, Ammonia as N	Sample Matrix Spike 0.46	mg/L	0.10	92	80	120	Run: TECHAA2-R_080515A		05/15/08 12:54
Sample ID: R08050116-003BMSD Nitrogen, Ammonia as N	Sample Matrix Spike Duplicate 0.48	mg/L	0.10	100	80	120	Run: TECHAA2-R_080515A	4.7	05/15/08 12:55 10
Method: D5072-92 Batch: C_R101445									
Sample ID: MB-R101445 Radon 222	Method Blank 30	pCi/L					Run: SUB-C101445		05/19/08 19:17
Sample ID: LCS-R101445 Radon 222	Laboratory Control Sample 301	pCi/L	100	89	70	130	Run: SUB-C101445		05/19/08 19:17
Sample ID: C08050602-001GDUP Radon 222	Sample Duplicate 246	pCi/L	100				Run: SUB-C101445	0.0	05/19/08 19:17 30

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18608		
Sample ID: MB-18608	Method Blank		Run: SUB-C101431				05/20/08 21:33		
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.003	mg/L	0.001						
Sample ID: LCS3-18608	Laboratory Control Sample		Run: SUB-C101431				05/20/08 21:37		
Barium	0.526	mg/L	0.10	105	85	115			
Boron	0.547	mg/L	0.10	103	85	115			
Chromium	0.536	mg/L	0.050	107	85	115			
Copper	0.537	mg/L	0.010	107	85	115			
Iron	2.87	mg/L	0.030	115	85	115			
Manganese	2.71	mg/L	0.010	109	85	115			
Nickel	0.532	mg/L	0.050	106	85	115			
Strontium	0.547	mg/L	0.10	109	85	115			
Zinc	0.553	mg/L	0.010	110	85	115			
Sample ID: R08050143-001D	Sample Matrix Spike		Run: SUB-C101431				05/20/08 22:09		
Barium	0.529	mg/L	0.10	106	70	130			
Boron	0.549	mg/L	0.10	102	70	130			
Chromium	0.523	mg/L	0.050	105	70	130			
Copper	0.519	mg/L	0.010	104	70	130			
Iron	2.89	mg/L	0.030	114	70	130			
Manganese	2.77	mg/L	0.010	107	70	130			
Nickel	0.525	mg/L	0.050	105	70	130			
Strontium	1.78	mg/L	0.10	103	70	130			
Zinc	0.533	mg/L	0.010	105	70	130			
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate		Run: SUB-C101431				05/20/08 22:13		
Barium	0.517	mg/L	0.10	103	70	130	2.3	20	
Boron	0.541	mg/L	0.10	101	70	130	1.5	20	
Chromium	0.519	mg/L	0.050	104	70	130	0.8	20	
Copper	0.516	mg/L	0.010	103	70	130	0.7	20	
Iron	2.86	mg/L	0.030	113	70	130	1.0	20	
Manganese	2.70	mg/L	0.010	104	70	130	2.7	20	
Nickel	0.536	mg/L	0.050	107	70	130	2.1	20	
Strontium	1.76	mg/L	0.10	98	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18608
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate			Run: SUB-C101431			05/20/08 22:13		
Zinc	0.526	mg/L	0.010	104	70	130	1.2	20	
Sample ID: MB-18608	Method Blank			Run: SUB-C101693			05/23/08 17:06		
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.004	mg/L	0.001						
Sample ID: LCS3-18608	Laboratory Control Sample			Run: SUB-C101693			05/23/08 17:10		
Barium	0.541	mg/L	0.10	108	85	115			
Boron	0.540	mg/L	0.10	105	85	115			
Chromium	0.534	mg/L	0.050	107	85	115			
Copper	0.543	mg/L	0.010	109	85	115			
Iron	2.84	mg/L	0.030	113	85	115			
Manganese	2.73	mg/L	0.010	109	85	115			
Nickel	0.540	mg/L	0.050	108	85	115			
Strontium	0.541	mg/L	0.10	108	85	115			
Zinc	0.532	mg/L	0.010	106	85	115			
Sample ID: R08050143-001D	Sample Matrix Spike			Run: SUB-C101693			05/23/08 17:18		
Barium	0.553	mg/L	0.10	111	70	130			
Boron	0.618	mg/L	0.10	108	70	130			
Chromium	0.542	mg/L	0.050	108	70	130			
Copper	0.554	mg/L	0.010	111	70	130			
Iron	2.89	mg/L	0.030	114	70	130			
Manganese	2.86	mg/L	0.010	111	70	130			
Nickel	0.556	mg/L	0.050	111	70	130			
Strontium	1.81	mg/L	0.10	102	70	130			
Zinc	0.552	mg/L	0.010	109	70	130			
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate			Run: SUB-C101693			05/23/08 17:22		
Barium	0.547	mg/L	0.10	109	70	130	1.1	20	
Boron	0.612	mg/L	0.10	107	70	130	1.0	20	
Chromium	0.532	mg/L	0.050	106	70	130	1.9	20	
Copper	0.547	mg/L	0.010	109	70	130	1.1	20	
Iron	2.87	mg/L	0.030	113	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18608		
Sample ID: R08050143-001D		Sample Matrix Spike Duplicate			Run: SUB-C101693		05/23/08 17:22		
Manganese	2.82	mg/L	0.010	109	70	130	1.5	20	
Nickel	0.544	mg/L	0.050	109	70	130	2.3	20	
Strontium	1.79	mg/L	0.10	98	70	130	1.2	20	
Zinc	0.539	mg/L	0.010	106	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101693		
Sample ID: MB-080523A	Method Blank		Run: SUB-C101693				05/23/08 15:53		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.04	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.03	mg/L	0.003						
Zinc	0.004	mg/L	0.002						
Sample ID: LFB-080523A	Laboratory Fortified Blank		Run: SUB-C101693				05/23/08 15:57		
Silica	0.37	mg/L	0.10	93	85	125			
Aluminum	0.98	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	52	mg/L	0.50	104	85	125			
Chromium	1.00	mg/L	0.050	100	85	125			
Iron	1.1	mg/L	0.030	106	85	125			
Magnesium	52	mg/L	0.50	103	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	102	85	125			
Potassium	46	mg/L	0.50	92	85	125			
Sodium	49	mg/L	0.77	98	85	125			
Vanadium	1.1	mg/L	0.10	102	85	125			
Zinc	0.99	mg/L	0.010	99	85	125			
Sample ID: R08050143-001C	Sample Matrix Spike		Run: SUB-C101693				05/23/08 16:05		
Aluminum	2.01	mg/L	0.10	99	70	130			
Barium	2.12	mg/L	0.10	104	70	130			
Boron	2.26	mg/L	0.10	105	70	130			
Chromium	2.11	mg/L	0.050	103	70	130			
Iron	2.19	mg/L	0.030	107	70	130			
Manganese	2.24	mg/L	0.010	105	70	130			
Molybdenum	2.03	mg/L	0.10	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101693		
Sample ID: R08050143-001C	Sample Matrix Spike			Run: SUB-C101693			05/23/08 16:05		
Nickel	2.16	mg/L	0.050	106	70	130			
Vanadium	2.23	mg/L	0.10	108	70	130			
Zinc	2.09	mg/L	0.010	102	70	130			
Calcium	176	mg/L	1.0	108	70	130			
Magnesium	137	mg/L	1.0	109	70	130			
Potassium	103	mg/L	1.0	92	70	130			
Silica	4.99	mg/L	0.10	96	70	130			
Sodium	310	mg/L	1.5	96	70	130			
Sample ID: R08050143-001C	Sample Matrix Spike Duplicate			Run: SUB-C101693			05/23/08 16:09		
Aluminum	1.87	mg/L	0.10	92	70	130	7.6	20	
Barium	2.06	mg/L	0.10	101	70	130	2.6	20	
Boron	2.18	mg/L	0.10	102	70	130	3.3	20	
Chromium	2.02	mg/L	0.050	99	70	130	4.4	20	
Iron	2.13	mg/L	0.030	104	70	130	2.8	20	
Manganese	2.16	mg/L	0.010	101	70	130	3.5	20	
Molybdenum	1.97	mg/L	0.10	96	70	130	2.8	20	
Nickel	2.05	mg/L	0.050	101	70	130	4.8	20	
Vanadium	2.18	mg/L	0.10	105	70	130	2.4	20	
Zinc	2.02	mg/L	0.010	98	70	130	3.5	20	
Calcium	169	mg/L	1.0	101	70	130	4.0	20	
Magnesium	131	mg/L	1.0	104	70	130	4.3	20	
Potassium	103	mg/L	1.0	91	70	130	0.4	20	
Silica	4.81	mg/L	0.10	79	70	130	3.6	20	
Sodium	310	mg/L	1.5	97	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18608		
Sample ID: MB-18608	Method Blank		Run: SUB-C101838				05/28/08 13:27		
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.0006	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Selenium	0.0002	mg/L	0.0002						
Silver	4E-05	mg/L	4E-05						
Thallium	4E-05	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18608	Laboratory Control Sample		Run: SUB-C101838				05/28/08 13:34		
Antimony	0.578	mg/L	0.050	115	85	115			
Arsenic	0.553	mg/L	0.0010	111	85	115			
Beryllium	0.276	mg/L	0.010	111	85	115			
Cadmium	0.268	mg/L	0.010	107	85	115			
Lead	0.553	mg/L	0.050	111	85	115			
Molybdenum	0.553	mg/L	0.10	111	85	115			
Selenium	0.546	mg/L	0.0010	109	85	115			
Silver	0.0527	mg/L	0.010	105	85	115			
Thallium	0.566	mg/L	0.10	113	85	115			
Uranium	0.443	mg/L	0.00030	89	85	115			
Sample ID: R08050143-001D	Sample Matrix Spike		Run: SUB-C101838				05/28/08 13:47		
Antimony	0.571	mg/L	0.050	114	70	130			
Arsenic	0.546	mg/L	0.0010	108	70	130			
Beryllium	0.266	mg/L	0.010	106	70	130			
Cadmium	0.262	mg/L	0.010	105	70	130			
Lead	0.554	mg/L	0.050	111	70	130			
Molybdenum	0.550	mg/L	0.10	110	70	130			
Selenium	0.529	mg/L	0.0010	106	70	130			
Silver	0.0517	mg/L	0.010	103	70	130			
Thallium	0.577	mg/L	0.10	115	70	130			
Uranium	0.471	mg/L	0.00030	92	70	130			
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate		Run: SUB-C101838				05/28/08 13:54		
Antimony	0.569	mg/L	0.050	114	70	130	0.2	20	
Arsenic	0.546	mg/L	0.0010	109	70	130	0.1	20	
Beryllium	0.268	mg/L	0.010	107	70	130	0.7	20	
Cadmium	0.257	mg/L	0.010	103	70	130	1.7	20	
Lead	0.548	mg/L	0.050	109	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18608		
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate			Run: SUB-C101838			05/28/08 13:54		
Molybdenum	0.551	mg/L	0.10	110	70	130	0.2	20	
Selenium	0.535	mg/L	0.0010	107	70	130	1.2	20	
Silver	0.0507	mg/L	0.010	101	70	130	1.9	20	
Thallium	0.558	mg/L	0.10	111	70	130	3.3	20	
Uranium	0.460	mg/L	0.00030	90	70	130	2.6	20	
Method: E200.8							Batch: C_18653		
Sample ID: MB-18653	Method Blank			Run: SUB-C102135			06/03/08 22:39		
Uranium	5E-05	mg/L	2E-05						
Sample ID: LCS1-18653	Laboratory Control Sample			Run: SUB-C102135			06/03/08 22:46		
Uranium	0.0230	mg/L	0.00030	109	80	120			
Sample ID: R08050199-001I	Post Digestion Spike			Run: SUB-C102135			06/03/08 23:06		
Uranium	0.0510	mg/L	0.00030	101	70	130			
Sample ID: R08050199-001I	Post Digestion Spike Duplicate			Run: SUB-C102135			06/03/08 23:13		
Uranium	0.0518	mg/L	0.00030	103	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102135		
Sample ID: LRB	Method Blank		Run: SUB-C102135				06/03/08 13:25		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	7E-05	mg/L	3E-05						
Thorium 232	6E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C102135				06/03/08 13:32		
Arsenic	0.0548	mg/L	0.0010	110	85	115			
Cadmium	0.0538	mg/L	0.0010	108	85	115			
Copper	0.0545	mg/L	0.0010	109	85	115			
Lead	0.0529	mg/L	0.0010	106	85	115			
Mercury	0.00522	mg/L	0.0010	104	85	115			
Silver	0.0195	mg/L	0.0010	97	85	115			
Thorium 232	0.0526	mg/L	0.0010	105	85	115			
Uranium	0.0529	mg/L	0.00030	106	85	115			
Sample ID: C08051200-001CMS	Sample Matrix Spike		Run: SUB-C102135				06/03/08 14:34		
Arsenic	0.0557	mg/L	0.0010	107	70	130			
Cadmium	0.0516	mg/L	0.0010	103	70	130			
Copper	0.0534	mg/L	0.0010	102	70	130			
Lead	0.0537	mg/L	0.0010	104	70	130			
Mercury	0.00484	mg/L	0.0010	97	70	130			
Silver	0.0103	mg/L	0.0050	103	70	130			
Uranium	0.0632	mg/L	0.00030	109	70	130			
Sample ID: C08051200-001CMSD	Sample Matrix Spike Duplicate		Run: SUB-C102135				06/03/08 14:41		
Arsenic	0.0563	mg/L	0.0010	108	70	130	1.2	20	
Cadmium	0.0525	mg/L	0.0010	105	70	130	1.7	20	
Copper	0.0551	mg/L	0.0010	105	70	130	3.2	20	
Lead	0.0559	mg/L	0.0010	109	70	130	3.9	20	
Mercury	0.00499	mg/L	0.0010	100	70	130	3.0	20	
Silver	0.0102	mg/L	0.0050	102	70	130	0.5	20	
Uranium	0.0640	mg/L	0.00030	111	70	130	1.3	20	
Sample ID: R08050143-001C	Post Digestion Spike		Run: SUB-C102135				06/04/08 04:38		
Arsenic	0.0547	mg/L	0.0010	105	70	130			
Cadmium	0.0493	mg/L	0.010	99	70	130			
Copper	0.0516	mg/L	0.010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102135		
Sample ID: R08050143-001C	Post Digestion Spike			Run: SUB-C102135			06/04/08 04:38		
Lead	0.0527	mg/L	0.050	105	70	130			
Mercury	0.00513	mg/L	0.0010	103	70	130			
Silver	0.0107	mg/L	0.010	53	70	130			S
Thorium 232	0.0533	mg/L	0.0010	107	70	130			
Uranium	0.0633	mg/L	0.00030	107	70	130			
Sample ID: R08050143-001C	Post Digestion Spike Duplicate			Run: SUB-C102135			06/04/08 04:45		
Arsenic	0.0527	mg/L	0.0010	101	70	130	3.7	20	
Cadmium	0.0498	mg/L	0.010	100	70	130	1.0	20	
Copper	0.0502	mg/L	0.010	98	70	130	2.6	20	
Lead	0.0527	mg/L	0.050	105	70	130	0.1	20	
Mercury	0.00522	mg/L	0.0010	104	70	130	1.7	20	
Silver	0.0130	mg/L	0.010	65	70	130	20	20	SR
Thorium 232	0.0540	mg/L	0.0010	108	70	130	1.4	20	
Uranium	0.0632	mg/L	0.00030	107	70	130	0.2	20	
Method: E245.1							Batch: C_B_32731		
Sample ID: MB-32731	Method Blank			Run: SUB-C102024			06/02/08 07:27		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32731	Laboratory Fortified Blank			Run: SUB-C102024			06/02/08 07:30		
Mercury	0.0021	mg/L	0.0010	105	85	115			
Sample ID: B08051951-002AMS	Sample Matrix Spike			Run: SUB-C102024			06/02/08 08:23		
Mercury	0.0021	mg/L	0.0010	103	70	130			
Sample ID: B08051951-002AMSD	Sample Matrix Spike Duplicate			Run: SUB-C102024			06/02/08 08:28		
Mercury	0.0018	mg/L	0.0010	92	70	130	12	30	
Method: E245.1							Analytical Run: SUB-C102024		
Sample ID: QCS	Initial Calibration Verification Standard						06/02/08 07:06		
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R34773		
Sample ID: LFB0805130630-3	Laboratory Fortified Blank		Run: DIONEX_080513A				05/13/08 19:18		
Chloride	4.51	mg/L	0.50	90	90	110			
Fluoride	1.77	mg/L	0.10	89	90	110			S
Nitrogen, Nitrate as N	2.24	mg/L	0.10	90	90	110			
Nitrogen, Nitrite as N	2.31	mg/L	0.10	92	90	110			
Sulfate	13.4	mg/L	1.0	89	90	110			S
Sample ID: LFB0805130630-4	Laboratory Fortified Blank		Run: DIONEX_080513A				05/13/08 20:07		
Chloride	4.59	mg/L	0.50	92	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.36	mg/L	0.10	94	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: R08050135-001BMS	Sample Matrix Spike		Run: DIONEX_080513A				05/13/08 21:13		
Chloride	35.9	mg/L	0.50		80	120			A
Fluoride	2.22	mg/L	0.10	97	80	120			
Nitrogen, Nitrate as N	23.2	mg/L	0.10		80	120			A
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	80	120			
Sulfate	40.2	mg/L	1.0	76	80	120			S
Sample ID: R08050135-001BMSD	Sample Matrix Spike Duplicate		Run: DIONEX_080513A				05/13/08 21:29		
Chloride	35.8	mg/L	0.50		80	120	0.1	10	A
Fluoride	2.15	mg/L	0.10	93	80	120	3.2	10	
Nitrogen, Nitrate as N	23.3	mg/L	0.10		80	120	0.2	10	A
Nitrogen, Nitrite as N	2.30	mg/L	0.10	92	80	120	4.3	10	
Sulfate	39.8	mg/L	1.0	74	80	120	1.1	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.
S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0476		
Sample ID: MB-GrAB-0476	Method Blank				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	-1	pCi/L							
Gross Beta	-3	pCi/L							
Sample ID: UNAT-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	150	pCi/L	112		70	130			
Sample ID: Cs137-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198			07/11/08 21:29	
Gross Beta	100	pCi/L	109		70	130			
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	130	pCi/L	88		70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	120	pCi/L	87		70	130	0.6	19.2	
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198			07/11/08 21:29	
Gross Beta	100	pCi/L	104		70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198			07/11/08 21:29	
Gross Beta	100	pCi/L	102		70	130	2.1	16.1	
Method: E901.1							Batch: C_R101877		
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877			05/28/08 05:30	
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L						U	
Sample ID: C08050919-001HDUP	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	6600	pCi/L	20				0.1	30	
Sample ID: C08051031-005HDUP	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18653		
Sample ID: C08050705-001BMS	Sample Matrix Spike				Run: SUB-C102132			06/02/08 21:44	
Radium 226	63	pCi/L		81	70	130			
Sample ID: C08050705-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102132			06/02/08 21:44	
Radium 226	62	pCi/L		79	70	130	2.2	25.2	
Sample ID: MB-18653	Method Blank				Run: SUB-C102132			06/02/08 21:44	
Radium 226	-2	pCi/L							U
Sample ID: LCS-18653	Laboratory Control Sample				Run: SUB-C102132			06/02/08 21:44	
Radium 226	13	pCi/L		92	70	130			
Method: E903.0							Batch: C_RA226-2817		
Sample ID: C08050599-001AMS	Sample Matrix Spike				Run: SUB-C101998			05/28/08 13:50	
Radium 226	8.1	pCi/L		71	70	130			
Sample ID: C08050599-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101998			05/28/08 13:50	
Radium 226	6.9	pCi/L		60	70	130	16	46	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: MB-RA226-2817	Method Blank				Run: SUB-C101998			05/28/08 16:36	
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2817	Laboratory Control Sample				Run: SUB-C101998			05/28/08 16:36	
Radium 226	8.5	pCi/L		109	70	130			
Method: E907.0							Batch: C_18653		
Sample ID: C08050701-004AMS	Sample Matrix Spike				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	82.5	pCi/Filter	0.20	88	70	130			
Sample ID: C08050701-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	89.3	pCi/Filter	0.20	96	70	130	8.0	30	
Sample ID: LCS-R101872	Laboratory Control Sample				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	55.2	pCi/Filter	0.20	115	70	130			
Sample ID: MB-R101872	Method Blank				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	0.7	pCi/Filter							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R102219		
Sample ID: LCS-R102219	Laboratory Control Sample				Run: SUB-C102219		05/23/08 11:45		
Thorium 230	6.70	pCi/L	0.20	96	70	130			
Sample ID: R08050143-001H	Sample Matrix Spike				Run: SUB-C102219		05/23/08 11:45		
Thorium 230	10.3	pCi/L	0.20	105	70	130			
Sample ID: R08050143-001H	Sample Matrix Spike Duplicate				Run: SUB-C102219		05/23/08 11:45		
Thorium 230	9.40	pCi/L	0.20	98	70	130	9.1	30	
Sample ID: MB-R102219	Method Blank				Run: SUB-C102219		05/23/08 11:45		
Thorium 230	ND	pCi/L							U
Method: E909.0M							Batch: C_18653		
Sample ID: R08050199-001I	Sample Matrix Spike				Run: SUB-C102938		06/29/08 08:15		
Lead 210	1200	pCi/L		96	70	130			
Sample ID: R08050199-001I	Sample Matrix Spike Duplicate				Run: SUB-C102938		06/29/08 08:15		
Lead 210	2400	pCi/L		102	70	130	71	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R102938	Method Blank				Run: SUB-C102938		06/29/08 08:15		
Lead 210	ND	pCi/L							U
Sample ID: LCS-R102938	Laboratory Control Sample				Run: SUB-C102938		06/29/08 08:15		
Lead 210	520	pCi/L		88	70	130			
Method: E909.0M							Batch: C_R104386		
Sample ID: C08050730-004FMS	Sample Matrix Spike				Run: SUB-C104386		06/27/08 08:45		
Lead 210	1000	pCi/L		172	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08050730-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104386		06/27/08 08:45		
Lead 210	670	pCi/L		115	70	130	40	30	R
Sample ID: MB-R104386	Method Blank				Run: SUB-C104386		06/27/08 08:45		
Lead 210	-2	pCi/L							U
Sample ID: LCS-R104386	Laboratory Control Sample				Run: SUB-C104386		06/27/08 08:45		
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R102444		
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008							Batch: C_R103071		
Sample ID: C08051031-005IMS	Sample Matrix Spike				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: C08051031-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	0.5	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT - Provide as much information as possible.

Company Name: RESREC		Project Name, PWS, Permit, Etc. PowerTech Dairy Buckle		Sample Origin State: _____		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: RESREC		Contact Name: Corey Foreman		Phone/Fax: corey.foreman@resrec.com		Email: Eric Krantz	
Invoice Address:		Invoice Contact & Phone:		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC				Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other			
				ANALYSIS REQUESTED			
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Dew Burd GWSR1		Collection Date 5/14/08	Collection Time 12:45	MATRIX W		SEE ATTACHED Normal Turnaround (TAT)	
1						RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	
2						Comments: set 6	
3						Receipt Temp 6.6 °C	
4						On Ice <input checked="" type="radio"/> Yes <input type="radio"/> No	
5						Custody Seal Y N	
6						Intact Y N	
7						Signature Y N	
8							
9							
10							
Custody Record Must be Signed		Relinquished by (print): Eric Krantz		Date/Time: 5/15/08 11:05		Signature: [Signature]	
Sample Disposal:		Return to Client:		Lab Disposal:		Received by (print): Corey Foreman	
						Date/Time: 5-13-08 8:46	
						Signature: [Signature]	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

July 29, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050199

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 5/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050199-001	DewBurd GW680	05/13/08 16:06	05/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050199-001
Client Sample ID: DewBurd GW680

Report Date: 07/29/08
Collection Date: 05/13/08 16:06
Date Received: 05/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	262	mg/L		5		1	A2320 B	05/19/08 11:19/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 11:19/mb
Bicarbonate as HCO3	319	mg/L		5		1	A2320 B	05/19/08 11:19/mb
Calcium	421	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Chloride	12	mg/L		1		1	E300.0	05/16/08 20:58/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	05/16/08 20:58/jmh
Magnesium	129	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/15/08 15:11/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	05/16/08 20:58/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/16/08 20:58/jmh
Potassium	19.5	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Sodium	126	mg/L	D	2		2	E200.7	05/29/08 15:05/eli-c
Sulfate	1200	mg/L	D	3		50	E300.0	05/16/08 20:09/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2580	umhos/cm		5.0		1	A2510 B	05/16/08 14:57/tb
Oxidation-Reduction Potential	270	mV				1	A2580 B	05/19/08 00:00/jmh
pH	7.14	s.u.		0.01		1	A4500-H B	05/16/08 12:14/tb
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	05/20/08 09:49/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/02/08 20:42/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/02/08 20:42/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/29/08 15:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/02/08 20:42/eli-c
Iron	0.19	mg/L		0.03		2	E200.7	05/29/08 15:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/02/08 20:42/eli-c
Manganese	0.47	mg/L		0.01		2	E200.7	05/29/08 15:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/02/08 20:42/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/29/08 15:05/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	05/30/08 17:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/02/08 20:42/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

Page 1 of 3



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050199-001
Client Sample ID: DewBurd GW680

Report Date: 07/29/08
Collection Date: 05/13/08 16:06
Date Received: 05/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/02/08 20:42/eli-c
Uranium	0.0213	mg/L		0.0003		1	E200.8	06/02/08 20:42/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/29/08 15:05/eli-c
METALS - SUSPENDED								
Uranium	0.0004	mg/L		0.0003		1	E200.8	06/03/08 22:59/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/30/08 13:57/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/30/08 18:20/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6500	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha precision (±)	83.7	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha MDC	10.6	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta	2250	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta precision (±)	23.3	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta MDC	10.1	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Lead 210	37.7	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	10.2	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	1430	pCi/L				1	E903.0	05/29/08 14:22/eli-c
Radium 226 precision (±)	6.6	pCi/L				1	E903.0	05/29/08 14:22/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/02/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/02/08 15:00/eli-c
Gross Gamma	940	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	58	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	20.3	pCi/L	U			1	E909.0M	06/29/08 08:15/eli-c
Lead 210 precision (±)	36.4	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Lead 210 MDC	60.5	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Polonium 210	9.1	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	4.9	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	13.2	pCi/L				1	E903.0	06/02/08 21:44/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Page 2 of 3



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050199-001
Client Sample ID: DewBurd GW680

Report Date: 07/29/08
Collection Date: 05/13/08 16:06
Date Received: 05/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	2.3	pCi/L				1	E903.0	06/02/08 21:44/eli-c
Radium 226 MDC	1.7	pCi/L				1	E903.0	06/02/08 21:44/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	05/23/08 10:30/eli-c
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	05/23/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	151000	pCi/L		100		1	D5072-92	05/19/08 19:17/eli-c
Radon 222 precision (±)	699	pCi/L				1	D5072-92	05/19/08 19:17/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/07/08 05:46/eli-c
Arsenic	0.005	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/29/08 02:58/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/07/08 05:46/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/29/08 18:11/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/29/08 18:11/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/29/08 02:58/eli-c
Iron	0.34	mg/L		0.03		2	E200.7	05/29/08 18:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Manganese	0.50	mg/L		0.01		2	E200.7	05/29/08 18:11/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 18:07/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	05/29/08 02:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/29/08 02:58/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/07/08 05:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/07/08 05:46/eli-c
Strontium	8.1	mg/L		0.1		1	E200.8	05/29/08 02:58/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Uranium	0.0238	mg/L		0.0003		1	E200.8	05/29/08 02:58/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	05/29/08 18:11/eli-c
DATA QUALITY								
A/C Balance (± 5)	10.2	%				1	A1030 E	07/18/08 00:00/jmh
Anions	30.6	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	37.6	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	2080	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.11					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 3



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080519A-ALK-SEL-W							
Sample ID: LCS1_080519A	Laboratory Control Sample				Run: PH_COND1-R_080519A		05/19/08 09:09		
Alkalinity, Total as CaCO ₃	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080519A	Method Blank				Run: PH_COND1-R_080519A		05/19/08 09:13		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08050190-010AMS	Sample Matrix Spike				Run: PH_COND1-R_080519A		05/19/08 11:13		
Alkalinity, Total as CaCO ₃	184	mg/L	5.0	91	80	120			
Sample ID: R08050190-010AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080519A		05/19/08 11:15		
Alkalinity, Total as CaCO ₃	192	mg/L	5.0	98	80	120	4.3	10	
Method: A2510 B		Batch: 080516_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A		05/16/08 14:52		
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: LCS1-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A		05/16/08 14:52		
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A		05/16/08 14:53		
Conductivity @ 25 C	4970	umhos/cm	5.0	99	90	110			
Sample ID: R08050199-001ADUP	Sample Duplicate				Run: PH_COND2-R_080516A		05/16/08 15:02		
Conductivity @ 25 C	2560	umhos/cm	5.0				0.8	10	
Method: A2540 C		Batch: 080520A-SLDS-TDS-W							
Sample ID: LCS1_080520A	Laboratory Control Sample				Run: BAL-4-R_080520A		05/20/08 09:30		
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080520A	Method Blank				Run: BAL-4-R_080520A		05/20/08 09:32		
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040168-001ADUP	Sample Duplicate				Run: BAL-4-R_080520A		05/20/08 09:33		
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0				1.8	20	
Sample ID: R08050215-003AMS	Sample Matrix Spike				Run: BAL-4-R_080520A		05/20/08 09:54		
Solids, Total Dissolved TDS @ 180 C	470	mg/L	5.0	107	80	120			
Sample ID: R08050215-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080520A		05/20/08 09:55		
Solids, Total Dissolved TDS @ 180 C	470	mg/L	5.0	108	80	120	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080519-ORP-ISE-W		
Sample ID: R08050143-001F	Sample Duplicate				Run: PH_COND1-R_080519B		05/19/08 00:00		
Oxidation-Reduction Potential	240	mV					2.2	10	
Method: A3114 B							Batch: C_SE3114-080530B		
Sample ID: MBLK	Method Blank				Run: SUB-C101945		05/30/08 13:53		
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C101945		05/30/08 13:55		
Selenium-IV	0.053	mg/L	0.0010	105	90	110			
Sample ID: R08050199-001E	Sample Matrix Spike				Run: SUB-C101945		05/30/08 13:59		
Selenium-IV	0.053	mg/L	0.0010	106	85	115			
Sample ID: R08050199-001E	Sample Matrix Spike Duplicate				Run: SUB-C101945		05/30/08 14:01		
Selenium-IV	0.054	mg/L	0.0010	107	85	115	1.0	10	
Method: A3114 B							Batch: C_SE3114-080530C		
Sample ID: MBLK	Method Blank				Run: SUB-C101946		05/30/08 17:18		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C101946		05/30/08 17:20		
Selenium	0.054	mg/L	0.0010	108	90	110			
Sample ID: R08050199-001E	Sample Matrix Spike				Run: SUB-C101946		05/30/08 17:36		
Selenium	0.056	mg/L	0.0010	112	85	115			
Sample ID: R08050199-001E	Sample Matrix Spike Duplicate				Run: SUB-C101946		05/30/08 17:38		
Selenium	0.056	mg/L	0.0010	112	85	115	0.0	10	
Method: A4500-H B							Batch: 080516_1-PH-W		
Sample ID: LCS_pH-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A		05/16/08 11:36		
pH	6.93	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G Batch: A2008-05-15_2_NH3_01									
Sample ID: MBLK-2	Method Blank								
Nitrogen, Ammonia as N	ND	mg/L	0.01						05/15/08 11:37
Run: TECHAA2-R_080515A									
Sample ID: LFB-3	Laboratory Fortified Blank								05/15/08 11:38
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Run: TECHAA2-R_080515A									
Sample ID: LFB-4	Laboratory Fortified Blank								05/15/08 11:39
Nitrogen, Ammonia as N	0.26	mg/L	0.10	105	90	110			
Run: TECHAA2-R_080515A									
Sample ID: R08050196-004CMS	Sample Matrix Spike								05/15/08 15:07
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	80	120			
Run: TECHAA2-R_080515A									
Sample ID: R08050196-004CMSD	Sample Matrix Spike Duplicate								05/15/08 15:08
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	80	120	3.9	10	
Run: TECHAA2-R_080515A									
Method: D5072-92 Batch: C_R101445									
Sample ID: MB-R101445	Method Blank								05/19/08 19:17
Radon 222	30	pCi/L							
Run: SUB-C101445									
Sample ID: LCS-R101445	Laboratory Control Sample								05/19/08 19:17
Radon 222	301	pCi/L	100	89	70	130			
Run: SUB-C101445									
Sample ID: C08050787-001BDUP	Sample Duplicate								05/19/08 19:17
Radon 222	251000	pCi/L	100				6.6	30	
Run: SUB-C101445									
Sample ID: C08050602-001GDUP	Sample Duplicate								05/19/08 19:17
Radon 222	246	pCi/L	100				0.0	30	
Run: SUB-C101445									
Method: E200.7 Batch: C_18620									
Sample ID: R08050199-001D	Sample Matrix Spike								06/12/08 20:50
Boron	0.653	mg/L	0.10	106	70	130			
Chromium	0.534	mg/L	0.050	107	70	130			
Iron	3.04	mg/L	0.030	108	70	130			
Manganese	3.09	mg/L	0.010	104	70	130			
Zinc	0.543	mg/L	0.010	107	70	130			
Run: SUB-C102628									
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate								06/12/08 20:54
Boron	0.665	mg/L	0.10	108	70	130	1.8	20	
Chromium	0.529	mg/L	0.050	106	70	130	0.9	20	
Iron	3.01	mg/L	0.030	107	70	130	0.9	20	
Manganese	3.08	mg/L	0.010	104	70	130	0.3	20	
Zinc	0.543	mg/L	0.010	107	70	130	0.0	20	
Run: SUB-C102628									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101901		
Sample ID: MB-080529A	Method Blank		Run: SUB-C101901				05/29/08 14:57		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.02						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	0.007	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.004	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	0.003	mg/L	0.002						
Sample ID: LFB-080529A	Laboratory Fortified Blank		Run: SUB-C101901				05/29/08 15:01		
Silica	0.37	mg/L	0.10	93	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.1	mg/L	0.10	107	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	107	85	125			
Magnesium	53	mg/L	0.50	106	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	47	mg/L	0.50	94	85	125			
Sodium	51	mg/L	0.77	101	85	125			
Vanadium	1.1	mg/L	0.10	108	85	125			
Zinc	1.0	mg/L	0.010	-143	85	125			S
Sample ID: R08050199-001C	Sample Matrix Spike		Run: SUB-C101901				05/29/08 15:09		
Aluminum	1.77	mg/L	0.10	87	70	130			
Barium	2.07	mg/L	0.10	101	70	130			
Boron	2.29	mg/L	0.10	103	70	130			
Chromium	2.06	mg/L	0.050	101	70	130			
Iron	2.37	mg/L	0.030	107	70	130			
Manganese	2.52	mg/L	0.010	100	70	130			
Molybdenum	1.97	mg/L	0.10	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101901		
Sample ID: R08050199-001C		Sample Matrix Spike		Run: SUB-C101901			05/29/08 15:09		
Nickel	2.04	mg/L	0.050	100	70	130			
Vanadium	2.24	mg/L	0.10	108	70	130			
Zinc	2.09	mg/L	0.010	102	70	130			
Calcium	507	mg/L	1.0		70	130			A
Magnesium	232	mg/L	1.0	102	70	130			
Potassium	110	mg/L	1.0	89	70	130			
Silica	5.07	mg/L	0.10		70	130			A
Sodium	226	mg/L	1.5	98	70	130			
Sample ID: R08050199-001C		Sample Matrix Spike Duplicate		Run: SUB-C101901			05/29/08 15:16		
Aluminum	1.94	mg/L	0.10	95	70	130	9.2	20	
Barium	2.01	mg/L	0.10	98	70	130	3.1	20	
Boron	2.26	mg/L	0.10	101	70	130	1.4	20	
Chromium	2.01	mg/L	0.050	99	70	130	2.2	20	
Iron	2.32	mg/L	0.030	104	70	130	2.4	20	
Manganese	2.48	mg/L	0.010	98	70	130	1.7	20	
Molybdenum	1.94	mg/L	0.10	94	70	130	1.8	20	
Nickel	2.01	mg/L	0.050	99	70	130	1.3	20	
Vanadium	2.13	mg/L	0.10	103	70	130	5.0	20	
Zinc	2.04	mg/L	0.010	99	70	130	2.6	20	
Calcium	496	mg/L	1.0		70	130	2.3	20	A
Magnesium	231	mg/L	1.0	101	70	130	0.4	20	
Potassium	110	mg/L	1.0	89	70	130	0.6	20	
Silica	5.13	mg/L	0.10		70	130	1.2	20	A
Sodium	226	mg/L	1.5	99	70	130	0.3	20	
Sample ID: C08050806-001BMS2		Sample Matrix Spike		Run: SUB-C101901			05/29/08 16:09		
Aluminum	4.64	mg/L	0.10	91	70	130			
Barium	5.04	mg/L	0.10	98	70	130			
Boron	5.83	mg/L	0.10	101	70	130			
Chromium	5.04	mg/L	0.050	99	70	130			
Iron	5.74	mg/L	0.044	103	70	130			
Manganese	5.09	mg/L	0.010	100	70	130			
Molybdenum	4.81	mg/L	0.10	94	70	130			
Nickel	4.96	mg/L	0.050	97	70	130			
Vanadium	5.51	mg/L	0.10	105	70	130			
Zinc	5.09	mg/L	0.010	99	70	130			
Calcium	483	mg/L	1.0	103	70	130			
Magnesium	307	mg/L	1.0	101	70	130			
Potassium	236	mg/L	1.0	90	70	130			
Silica	7.16	mg/L	0.10	74	70	130			

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R101901		
Sample ID: C08050806-001BMS2	Sample Matrix Spike		Run: SUB-C101901				05/29/08 16:09		
Sodium	691	mg/L	2.7	95	70	130			
Sample ID: C08050806-001BMSD2	Sample Matrix Spike Duplicate		Run: SUB-C101901				05/29/08 16:13		
Aluminum	4.81	mg/L	0.10	94	70	130	3.7	20	
Barium	4.89	mg/L	0.10	95	70	130	3.1	20	
Boron	5.65	mg/L	0.10	98	70	130	3.1	20	
Chromium	4.87	mg/L	0.050	96	70	130	3.4	20	
Iron	5.61	mg/L	0.044	100	70	130	2.2	20	
Manganese	4.91	mg/L	0.010	96	70	130	3.6	20	
Molybdenum	4.73	mg/L	0.10	93	70	130	1.6	20	
Nickel	4.83	mg/L	0.050	95	70	130	2.6	20	
Vanadium	5.31	mg/L	0.10	101	70	130	3.8	20	
Zinc	4.87	mg/L	0.010	95	70	130	4.5	20	
Calcium	471	mg/L	1.0	98	70	130	2.6	20	
Magnesium	298	mg/L	1.0	98	70	130	2.9	20	
Potassium	237	mg/L	1.0	90	70	130	0.3	20	
Silica	7.21	mg/L	0.10	76	70	130			
Sodium	694	mg/L	2.7	97	70	130	0.5	20	
Method: E200.7_8							Batch: C_18620		
Sample ID: R08050199-001D	Sample Matrix Spike		Run: SUB-C101901				05/29/08 18:15		
Boron	0.663	mg/L	0.0010	105	70	130			
Chromium	0.548	mg/L	0.0010	110	70	130			
Iron	3.16	mg/L	0.0010	113	70	130			
Manganese	3.18	mg/L	0.0010	107	70	130			
Zinc	0.568	mg/L	0.0010	111	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate		Run: SUB-C101901				05/29/08 18:19		
Boron	0.687	mg/L	0.0010	110	70	130	3.6	20	
Chromium	0.552	mg/L	0.0010	110	70	130	0.8	20	
Iron	3.20	mg/L	0.0010	114	70	130	1.3	20	
Manganese	3.21	mg/L	0.0010	108	70	130	0.8	20	
Zinc	0.573	mg/L	0.0010	112	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18620		
Sample ID: MB-18620	Method Blank		Run: SUB-C101838				05/29/08 00:50		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0005	mg/L	5E-05						
Barium	0.0001	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Copper	0.0003	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Molybdenum	0.0002	mg/L	5E-05						
Nickel	8E-05	mg/L	6E-05						
Silver	0.0001	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	4E-05	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18620	Laboratory Control Sample		Run: SUB-C101838				05/29/08 01:24		
Arsenic	0.499	mg/L	0.0010	100	85	115			
Barium	0.562	mg/L	0.10	112	85	115			
Cadmium	0.249	mg/L	0.010	100	85	115			
Copper	0.471	mg/L	0.010	94	85	115			
Lead	0.542	mg/L	0.050	108	85	115			
Molybdenum	0.563	mg/L	0.10	113	85	115			
Nickel	0.486	mg/L	0.050	97	85	115			
Silver	0.0470	mg/L	0.010	94	85	115			
Strontium	0.568	mg/L	0.10	114	85	115			
Thallium	0.559	mg/L	0.10	112	85	115			
Uranium	0.461	mg/L	0.00030	92	85	115			
Sample ID: R08050199-001D	Sample Matrix Spike		Run: SUB-C101838				05/29/08 03:05		
Antimony	0.607	mg/L	0.050	121	70	130			
Arsenic	0.521	mg/L	0.0010	103	70	130			
Barium	0.588	mg/L	0.10	115	70	130			
Cadmium	0.240	mg/L	0.010	96	70	130			
Copper	0.467	mg/L	0.010	93	70	130			
Lead	0.548	mg/L	0.050	110	70	130			
Molybdenum	0.581	mg/L	0.10	116	70	130			
Nickel	0.488	mg/L	0.050	96	70	130			
Strontium	8.51	mg/L	0.10	70	70	130			A
Thallium	0.577	mg/L	0.10	115	70	130			
Uranium	0.495	mg/L	0.00030	94	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate		Run: SUB-C101838				05/29/08 03:11		
Antimony	0.597	mg/L	0.050	119	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18620		
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate			Run: SUB-C101838			05/29/08 03:11		
Arsenic	0.503	mg/L	0.0010	100	70	130	3.4	20	
Barium	0.577	mg/L	0.10	113	70	130	1.8	20	
Cadmium	0.234	mg/L	0.010	94	70	130	2.6	20	
Copper	0.451	mg/L	0.010	90	70	130	3.6	20	
Lead	0.543	mg/L	0.050	109	70	130	0.9	20	
Molybdenum	0.573	mg/L	0.10	114	70	130	1.5	20	
Nickel	0.474	mg/L	0.050	93	70	130	2.9	20	
Strontium	8.38	mg/L	0.10		70	130	1.6	20	A
Thallium	0.566	mg/L	0.10	113	70	130	2.0	20	
Uranium	0.493	mg/L	0.00030	94	70	130	0.3	20	
Sample ID: LCS3-18620	Laboratory Control Sample			Run: SUB-C102053			06/02/08 17:33		
Antimony	0.519	mg/L	0.050	104	85	115			
Arsenic	0.552	mg/L	0.0010	110	85	115			
Barium	0.532	mg/L	0.10	106	85	115			
Beryllium	0.266	mg/L	0.010	106	85	115			
Cadmium	0.269	mg/L	0.010	108	85	115			
Copper	0.509	mg/L	0.010	102	85	115			
Lead	0.529	mg/L	0.050	106	85	115			
Molybdenum	0.526	mg/L	0.10	105	85	115			
Nickel	0.508	mg/L	0.050	102	85	115			
Silver	0.0446	mg/L	0.010	89	85	115			
Strontium	0.543	mg/L	0.10	109	85	115			
Thallium	0.528	mg/L	0.10	106	85	115			
Uranium	0.527	mg/L	0.00032	105	85	115			
Sample ID: MB-18620	Method Blank			Run: SUB-C102135			06/03/08 18:30		
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.002	mg/L	5E-05						
Barium	0.0001	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Copper	0.001	mg/L	0.0002						
Lead	1E-05	mg/L							
Molybdenum	ND	mg/L	5E-05						
Nickel	0.0002	mg/L	6E-05						
Silver	5E-05	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18620		
Sample ID: R08050199-001D	Sample Matrix Spike			Run: SUB-C102135			06/03/08 19:51		
Antimony	0.556	mg/L	0.050	111	70	130			
Arsenic	0.518	mg/L	0.0010	102	70	130			
Barium	0.512	mg/L	0.10	100	70	130			
Beryllium	0.259	mg/L	0.010	103	70	130			
Cadmium	0.256	mg/L	0.010	102	70	130			
Copper	0.505	mg/L	0.010	100	70	130			
Lead	0.532	mg/L	0.050	106	70	130			
Molybdenum	0.535	mg/L	0.10	107	70	130			
Nickel	0.506	mg/L	0.050	101	70	130			
Silver	0.0433	mg/L	0.010	86	70	130			
Strontium	7.90	mg/L	0.10		70	130			A
Thallium	0.528	mg/L	0.10	106	70	130			
Uranium	0.533	mg/L	0.00032	102	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate			Run: SUB-C102135			06/03/08 19:58		
Antimony	0.559	mg/L	0.050	112	70	130	0.5	20	
Arsenic	0.521	mg/L	0.0010	103	70	130	0.7	20	
Barium	0.515	mg/L	0.10	101	70	130	0.6	20	
Beryllium	0.252	mg/L	0.010	101	70	130	2.5	20	
Cadmium	0.253	mg/L	0.010	101	70	130	1.2	20	
Copper	0.506	mg/L	0.010	100	70	130	0.1	20	
Lead	0.524	mg/L	0.050	105	70	130	1.6	20	
Molybdenum	0.534	mg/L	0.10	107	70	130	0.1	20	
Nickel	0.505	mg/L	0.050	100	70	130	0.3	20	
Silver	0.0455	mg/L	0.010	91	70	130	4.9	20	
Strontium	8.02	mg/L	0.10		70	130	1.5	20	A
Thallium	0.521	mg/L	0.10	104	70	130	1.4	20	
Uranium	0.521	mg/L	0.00032	100	70	130	2.2	20	
Sample ID: R08050199-001D	Sample Matrix Spike			Run: SUB-C102298			06/07/08 05:53		
Antimony	0.537	mg/L	0.050	107	70	130			
Arsenic	0.525	mg/L	0.0010	104	70	130			
Barium	0.534	mg/L	0.10	104	70	130			
Beryllium	0.266	mg/L	0.010	106	70	130			
Cadmium	0.253	mg/L	0.010	101	70	130			
Copper	0.487	mg/L	0.010	97	70	130			
Lead	0.512	mg/L	0.050	102	70	130			
Molybdenum	0.510	mg/L	0.10	102	70	130			
Nickel	0.500	mg/L	0.050	100	70	130			
Selenium	0.499	mg/L	0.0020	100	70	130			
Silver	0.0447	mg/L	0.010	89	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18620		
Sample ID: R08050199-001D	Sample Matrix Spike			Run: SUB-C102298			06/07/08 05:53		
Strontium	7.56	mg/L	0.10		70	130			A
Thallium	0.506	mg/L	0.10	101	70	130			
Uranium	0.541	mg/L	0.00032	103	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate			Run: SUB-C102298			06/07/08 06:00		
Antimony	0.568	mg/L	0.050	114	70	130	5.6	20	
Arsenic	0.542	mg/L	0.0010	107	70	130	3.3	20	
Barium	0.555	mg/L	0.10	108	70	130	3.8	20	
Beryllium	0.272	mg/L	0.010	109	70	130	2.3	20	
Cadmium	0.263	mg/L	0.010	105	70	130	3.7	20	
Copper	0.505	mg/L	0.010	101	70	130	3.6	20	
Lead	0.533	mg/L	0.050	107	70	130	3.9	20	
Molybdenum	0.535	mg/L	0.10	107	70	130	4.9	20	
Nickel	0.520	mg/L	0.050	104	70	130	3.9	20	
Selenium	0.518	mg/L	0.0020	104	70	130	3.7	20	
Silver	0.0480	mg/L	0.010	96	70	130	7.0	20	
Strontium	7.91	mg/L	0.10		70	130	4.5	20	A
Thallium	0.527	mg/L	0.10	105	70	130	4.1	20	
Uranium	0.566	mg/L	0.00032	108	70	130	4.5	20	
Method: E200.8							Batch: C_18653		
Sample ID: MB-18653	Method Blank			Run: SUB-C102135			06/03/08 22:39		
Uranium	5E-05	mg/L	2E-05						
Sample ID: LCS1-18653	Laboratory Control Sample			Run: SUB-C102135			06/03/08 22:46		
Uranium	0.0230	mg/L	0.00030	109	80	120			
Sample ID: R08050199-001I	Post Digestion Spike			Run: SUB-C102135			06/03/08 23:06		
Uranium	0.0510	mg/L	0.00030	101	70	130			
Sample ID: R08050199-001I	Post Digestion Spike Duplicate			Run: SUB-C102135			06/03/08 23:13		
Uranium	0.0518	mg/L	0.00030	103	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 07/29/08

Project: Edgemont

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102053		
Sample ID: LRB	Method Blank		Run: SUB-C102053				06/02/08 13:51		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C102053				06/02/08 13:58		
Arsenic	0.0501	mg/L	0.0010	100	85	115			
Cadmium	0.0507	mg/L	0.0010	101	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Lead	0.0508	mg/L	0.0010	102	85	115			
Mercury	0.00477	mg/L	0.0010	95	85	115			
Silver	0.0196	mg/L	0.0010	98	85	115			
Thorium 232	0.0505	mg/L	0.0010	101	85	115			
Uranium	0.0511	mg/L	0.00030	102	85	115			
Sample ID: R08050199-001C	Post Digestion Spike		Run: SUB-C102053				06/02/08 20:48		
Arsenic	0.0554	mg/L	0.0010	103	70	130			
Cadmium	0.0489	mg/L	0.010	98	70	130			
Copper	0.0481	mg/L	0.010	95	70	130			
Lead	0.0517	mg/L	0.050	103	70	130			
Mercury	0.00484	mg/L	0.0010	97	70	130			
Silver	0.0109	mg/L	0.010	55	70	130			S
Thorium 232	0.0539	mg/L	0.0010	108	70	130			
Uranium	0.0748	mg/L	0.00030	107	70	130			
Sample ID: R08050199-001C	Post Digestion Spike Duplicate		Run: SUB-C102053				06/02/08 20:55		
Arsenic	0.0544	mg/L	0.0010	101	70	130	2.0	20	
Cadmium	0.0477	mg/L	0.010	95	70	130	2.3	20	
Copper	0.0499	mg/L	0.010	98	70	130	3.7	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.0	20	
Mercury	0.00486	mg/L	0.0010	97	70	130	0.5	20	
Silver	0.0111	mg/L	0.010	55	70	130	1.1	20	S
Thorium 232	0.0533	mg/L	0.0010	106	70	130	1.2	20	
Uranium	0.0733	mg/L	0.00030	104	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: C_B_32786		
Sample ID: MB-32786	Method Blank				Run: SUB-C102258		06/04/08 17:57		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32786	Laboratory Fortified Blank				Run: SUB-C102258		06/04/08 18:05		
Mercury	0.0019	mg/L	0.0010	91	85	115			
Sample ID: B08052561-001DMS	Sample Matrix Spike				Run: SUB-C102258		06/04/08 18:14		
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08052561-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C102258		06/04/08 18:16		
Mercury	0.0021	mg/L	0.0010	100	70	130	7.0	30	
Method: E245.1							Analytical Run: SUB-C102258		
Sample ID: QCS	Initial Calibration Verification Standard						06/04/08 17:50		
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R34815		
Sample ID: LFB0805165430-3	Laboratory Fortified Blank			Run: DIONEX_080516A			05/16/08 19:36		
Chloride	4.67	mg/L	0.50	93	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	90	110			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0805165430-4	Laboratory Fortified Blank			Run: DIONEX_080516A			05/16/08 19:52		
Chloride	4.58	mg/L	0.50	92	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.7	mg/L	1.0	91	90	110			
Sample ID: R08050199-001AMS	Sample Matrix Spike			Run: DIONEX_080516A			05/16/08 20:25		
Chloride	249	mg/L	5.4	89	80	120			
Fluoride	94.9	mg/L	0.56	88	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1880	mg/L	3.4	90	80	120			
Sample ID: R08050199-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080516A			05/16/08 20:41		
Chloride	242	mg/L	5.4	86	80	120	2.8	10	
Fluoride	92.2	mg/L	0.56	86	80	120	2.9	10	
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120	3.2	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	3.2	10	
Sulfate	1860	mg/L	3.4	87	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0476		
Sample ID: MB-GrAB-0476	Method Blank				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	-1	pCi/L							
Gross Beta	-3	pCi/L							
Sample ID: UNAT-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	150	pCi/L		112	70	130			
Sample ID: Cs137-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198			07/11/08 21:29	
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	130	pCi/L		88	70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198			07/11/08 21:29	
Gross Alpha	120	pCi/L		87	70	130	0.6	19.2	
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198			07/11/08 21:29	
Gross Beta	100	pCi/L		104	70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198			07/11/08 21:29	
Gross Beta	100	pCi/L		102	70	130	2.1	16.1	
Method: E901.1							Batch: C_R101877		
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877			05/28/08 05:30	
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L						U	
Sample ID: C08050919-001HDUP	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	6600	pCi/L	20				0.1	30	
Sample ID: C08051031-005HDUP	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/29/08

Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18653		
Sample ID: C08050601-001ADUP	Sample Duplicate				Run: SUB-C102132			06/02/08 15:56	
Radium 226	-1.2	pCi/L			70	130	7.7	134.8	U
Sample ID: C08050705-001BMS	Sample Matrix Spike				Run: SUB-C102132			06/02/08 21:44	
Radium 226	63	pCi/L		81	70	130			
Sample ID: C08050705-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102132			06/02/08 21:44	
Radium 226	62	pCi/L		79	70	130	2.2	25.2	
Sample ID: MB-18653	Method Blank				Run: SUB-C102132			06/02/08 21:44	
Radium 226	-2	pCi/L							U
Sample ID: LCS-18653	Laboratory Control Sample				Run: SUB-C102132			06/02/08 21:44	
Radium 226	13	pCi/L		92	70	130			
Method: E903.0							Batch: C_RA226-2820		
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: SUB-C101991			05/29/08 15:57	
Radium 226	7.4	pCi/L		91	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: SUB-C101991			05/29/08 15:57	
Radium 226	8.2	pCi/L		101	70	130	9.6	23.1	
Sample ID: MB-RA226-2820	Method Blank				Run: SUB-C101991			05/29/08 15:57	
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2820	Laboratory Control Sample				Run: SUB-C101991			05/29/08 15:57	
Radium 226	7.9	pCi/L		102	70	130			
Method: E907.0							Batch: C_18653		
Sample ID: C08050601-001ADUP	Sample Duplicate				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	-0.0950	pCi/L	0.20		70	130	0.0	30	
Sample ID: C08050701-004AMS	Sample Matrix Spike				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	82.5	pCi/Filter	0.20	88	70	130			
Sample ID: C08050701-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	89.3	pCi/Filter	0.20	96	70	130	8.0	30	
Sample ID: LCS-R101872	Laboratory Control Sample				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	55.2	pCi/Filter	0.20	115	70	130			
Sample ID: MB-R101872	Method Blank				Run: SUB-C101872			05/23/08 10:30	
Thorium 230	0.7	pCi/Filter							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R102465		
Sample ID: LCS-R102465	Laboratory Control Sample				Run: SUB-C102465			06/02/08 15:00	
Thorium 230	7.50	pCi/L	0.20	109	70	130			
Sample ID: R08050199-001H	Sample Matrix Spike				Run: SUB-C102465			06/02/08 15:00	
Thorium 230	16.1	pCi/L	0.20	99	70	130			
Sample ID: R08050199-001H	Sample Matrix Spike Duplicate				Run: SUB-C102465			06/02/08 15:00	
Thorium 230	17.0	pCi/L	0.20	103	70	130	5.4	30	
Sample ID: MB-R102465	Method Blank				Run: SUB-C102465			06/02/08 15:00	
Thorium 230	ND	pCi/L							
Method: E909.0M							Batch: C_18653		
Sample ID: C08050601-001ADUP	Sample Duplicate				Run: SUB-C102938			06/29/08 08:15	
Lead 210	-2.9	pCi/L					6000	30	R
- Activity of both samples is below detection limit, resulting in high RPD. Batch is acceptable.									
Sample ID: R08050199-001I	Sample Matrix Spike				Run: SUB-C102938			06/29/08 08:15	
Lead 210	1200	pCi/L		96	70	130			
Sample ID: R08050199-001I	Sample Matrix Spike Duplicate				Run: SUB-C102938			06/29/08 08:15	
Lead 210	2400	pCi/L		102	70	130	71	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R102938	Method Blank				Run: SUB-C102938			06/29/08 08:15	
Lead 210	ND	pCi/L							U
Sample ID: LCS-R102938	Laboratory Control Sample				Run: SUB-C102938			06/29/08 08:15	
Lead 210	520	pCi/L		88	70	130			
Method: E909.0M							Batch: C_R104386		
Sample ID: C08050730-004FMS	Sample Matrix Spike				Run: SUB-C104386			06/27/08 08:45	
Lead 210	1000	pCi/L		172	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08050730-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104386			06/27/08 08:45	
Lead 210	670	pCi/L		115	70	130	40	30	R
Sample ID: MB-R104386	Method Blank				Run: SUB-C104386			06/27/08 08:45	
Lead 210	-2	pCi/L							U
Sample ID: LCS-R104386	Laboratory Control Sample				Run: SUB-C104386			06/27/08 08:45	
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R102444		
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008							Batch: C_R103071		
Sample ID: C08051031-005IMS	Sample Matrix Spike				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: C08051031-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	0.5	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC		Project Name, PWS, Permit, Etc. POWER TECH DAWY BURDOCK		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: RESPEC		Contact Name: Cory Foreman Phone/Fax: cforeman@respec.com		Email:	Sampler: (Please Print) Erik Klavre
Invoice Address:		Invoice Contact & Phone: 6		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <div><input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: <input type="checkbox"/> State: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: <input type="checkbox"/> NELAC</div>					
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Dewburd GW 650		Collection Date 5/13/08	Collection Time 16:06	MATRIX N	ANALYSIS REQUESTED As per Quot
					SEE ATTACHED Normal Turnaround (TAT)
					RUSH
					Contact ELI prior to RUSH sample submittal for changes and scheduling - See Instruction Page
					Comments: Set 14
					Receipt Temp 8.1 °C On Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
					Custody Seal Intact <input type="checkbox"/> Y <input type="checkbox"/> N Signature <input type="checkbox"/> Y <input type="checkbox"/> N Match <input type="checkbox"/> Y <input type="checkbox"/> N
Custody Record MUST be Signed		Requested by (print): Erik Klavre	Date/Time: 5/14/08 0715	Signature: Erik Klavre	Received by (print): Mike Hollenbeck
		Requested by (print): Mike Hollenbeck	Date/Time: 5/14/08 1510	Signature: Mike Hollenbeck	Received by (print): Linda Carlson
					Date/Time: 5/14/08 0715
					Signature: Mike Hollenbeck
					Date/Time: 5/14/08 1510
					Signature: Linda Carlson

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

August 14, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050229

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 5/19/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050229-001	DewBurd GW681	05/18/08 11:18	05/19/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050229-002	DewBurd GW679	05/18/08 18:00	05/19/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-001
Client Sample ID: DewBurd GW681

Report Date: 08/14/08
Collection Date: 05/18/08 11:18
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	05/19/08 14:53/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 14:53/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	05/19/08 14:53/mb
Calcium	68.4	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Chloride	16	mg/L		1		1	E300.0	05/20/08 14:52/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/20/08 14:52/jmh
Magnesium	25.5	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:12/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/20/08 14:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 14:52/jmh
Potassium	9.6	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Silica	4.3	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Sodium	221	mg/L	D	2		2	E200.7	06/04/08 18:56/eli-c
Sulfate	465	mg/L	D	3		50	E300.0	05/20/08 14:02/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1500	umhos/cm		5.0		1	A2510 B	05/23/08 16:01/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	05/19/08 00:00/jmh
pH	8.15	s.u.		0.01		1	A4500-H B	05/23/08 14:31/kh
Sodium Adsorption Ratio (SAR)	5.8	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	05/20/08 10:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/04/08 15:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:59/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:56/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:59/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 18:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:59/eli-c
Manganese	0.10	mg/L		0.01		2	E200.7	06/04/08 18:56/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:59/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:56/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-001
Client Sample ID: DewBurd GW681

Report Date: 08/14/08
Collection Date: 05/18/08 11:18
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
METALS - DISSOLVED									
Thorium 232	ND	mg/L		0.005		1	E200.8		06/04/08 15:59/eli-c
Uranium	0.0096	mg/L		0.0003		1	E200.8		06/04/08 15:59/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7		06/04/08 18:56/eli-c
Zinc	ND	mg/L		0.01		2	E200.7		06/04/08 18:56/eli-c
METALS - SUSPENDED									
Uranium	ND	mg/L		0.0003		1	E200.8		06/07/08 21:57/eli-c
METALS - SPECIATED									
Selenium-IV	ND	mg/L		0.001		1	A3114 B		06/03/08 11:24/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B		06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED									
Gross Alpha	1220	pCi/L				1	E900.0		06/11/08 08:06/eli-c
Gross Alpha precision (±)	21.9	pCi/L				1	E900.0		06/11/08 08:06/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0		06/11/08 08:06/eli-c
Gross Beta	304	pCi/L				1	E900.0		06/11/08 08:06/eli-c
Gross Beta precision (±)	5.5	pCi/L				1	E900.0		06/11/08 08:06/eli-c
Gross Beta MDC	3.7	pCi/L				1	E900.0		06/11/08 08:06/eli-c
Lead 210	38.2	pCi/L				1	E909.0M		06/25/08 11:25/eli-c
Lead 210 MDC	19.9	pCi/L				1	E909.0M		06/25/08 11:25/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M		06/25/08 11:25/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008		06/03/08 17:45/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008		06/03/08 17:45/eli-c
Radium 226	423	pCi/L				1	E903.0		06/08/08 17:06/eli-c
Radium 226 precision (±)	15.1	pCi/L				1	E903.0		06/08/08 17:06/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0		06/05/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0		06/05/08 15:00/eli-c
Gross Gamma	6600	pCi/L		20		1	E901.1		05/28/08 05:30/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1		05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED									
Lead 210	20.2	pCi/L				1	E909.0M		07/03/08 09:50/eli-c
Lead 210 precision (±)	5.6	pCi/L				1	E909.0M		07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M		07/03/08 09:50/eli-c
Polonium 210	3.2	pCi/L		1.0		1	RMO-3008		06/19/08 12:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008		06/19/08 12:00/eli-c
Radium 226	1.6	pCi/L				1	E903.0		06/03/08 08:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-001
Client Sample ID: DewBurd GW681

Report Date: 08/14/08
Collection Date: 05/18/08 11:18
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	462000	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	1020	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:28/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:31/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/27/08 21:31/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:31/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:31/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/27/08 21:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	05/27/08 21:31/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:54/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:28/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:31/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:28/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	05/27/08 21:31/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Uranium	0.0108	mg/L		0.0003		1	E200.8	06/06/08 17:28/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/27/08 21:31/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.53	%				1	A1030 E	08/09/08 00:00/jmh
Anions	13.8	meq/L				1	A1030 E	08/09/08 00:00/jmh
Cations	15.4	meq/L				1	A1030 E	08/09/08 00:00/jmh
Solids, Total Dissolved Calculated	926	mg/L				1	A1030 E	08/09/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	08/09/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-002
Client Sample ID: DewBurd GW679

Report Date: 08/14/08
Collection Date: 05/18/08 18:00
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	158	mg/L		5		1	A2320 B	05/19/08 14:58/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 14:58/mb
Bicarbonate as HCO3	193	mg/L		5		1	A2320 B	05/19/08 14:58/mb
Calcium	515	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Chloride	11	mg/L		1		1	E300.0	05/20/08 15:24/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/20/08 15:24/jmh
Magnesium	109	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:14/jmh
Nitrogen, Nitrate as N	1.1	mg/L		0.1		1	E300.0	05/20/08 15:24/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 15:24/jmh
Potassium	11.1	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Silica	6.0	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Sodium	82	mg/L	D	2		2	E200.7	06/04/08 19:00/eli-c
Sulfate	1440	mg/L	D	3		50	E300.0	05/20/08 15:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2880	umhos/cm		5.0		1	A2510 B	05/23/08 16:03/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/19/08 00:00/jmh
pH	7.83	s.u.		0.01		1	A4500-H B	05/23/08 14:34/kh
Sodium Adsorption Ratio (SAR)	0.86	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	2500	mg/L		5		1	A2540 C	05/20/08 10:08/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 16:27/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 16:27/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 19:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 16:27/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 19:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 16:27/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	06/04/08 19:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 16:27/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 19:00/eli-c
Selenium	0.010	mg/L		0.005		1	A3114 B	06/03/08 15:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 16:27/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-002
Client Sample ID: DewBurd GW679

Report Date: 08/14/08
Collection Date: 05/18/08 18:00
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 16:27/eli-c
Uranium	0.0112	mg/L		0.0003		1	E200.8	06/04/08 16:27/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 19:00/eli-c
METALS - SUSPENDED								
Uranium	0.0012	mg/L		0.0003		1	E200.8	06/07/08 22:02/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:26/eli-c
Selenium-VI	0.010	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	22.4	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	6.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	7.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	10.8	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	5.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	8.6	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	4.5	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	10.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	3.7	pCi/L				1	E903.0	06/08/08 18:37/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/08/08 18:37/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/05/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/05/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-9.8	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	20.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	35.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	06/03/08 08:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-002
Client Sample ID: DewBurd GW679

Report Date: 08/14/08
Collection Date: 05/18/08 18:00
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	1.8	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	1.4	pCi/L		0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1250	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	91.2	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:35/eli-c
Arsenic	0.011	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Barium	0.3	mg/L		0.1		2	E200.7	05/27/08 21:35/eli-c
Beryllium	0.002	mg/L		0.001		1	E200.8	06/09/08 15:05/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/27/08 21:35/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:35/eli-c
Copper	0.03	mg/L		0.01		2	E200.7	05/27/08 21:35/eli-c
Iron	26.4	mg/L		0.03		2	E200.7	05/27/08 21:35/eli-c
Lead	0.022	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Manganese	0.57	mg/L		0.01		2	E200.7	05/27/08 21:35/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:57/eli-b
Molybdenum	0.02	mg/L		0.01		1	E200.8	06/06/08 17:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:35/eli-c
Selenium	0.013	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:35/eli-c
Strontium	7.8	mg/L		0.1		2	E200.7	05/27/08 21:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Uranium	0.0164	mg/L		0.0003		1	E200.8	06/06/08 17:35/eli-c
Zinc	0.09	mg/L		0.01		2	E200.7	05/27/08 21:35/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.81	%				1	A1030 E	08/09/08 00:00/jmh
Anions	33.6	meq/L				1	A1030 E	08/09/08 00:00/jmh
Cations	38.5	meq/L				1	A1030 E	08/09/08 00:00/jmh
Solids, Total Dissolved Calculated	2290	mg/L				1	A1030 E	08/09/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	08/09/08 00:00/jmh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 6 of 6

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 080519A-ALK-SEL-W		
Sample ID: LCS1_080519A	Laboratory Control Sample				Run: PH_COND1-R_080519A			05/19/08 09:09	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080519A	Method Blank				Run: PH_COND1-R_080519A			05/19/08 09:13	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08050229-002AMS	Sample Matrix Spike				Run: PH_COND1-R_080519A			05/19/08 15:04	
Alkalinity, Total as CaCO3	270	mg/L	5.0	106	80	120			
Sample ID: R08050229-002AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080519A			05/19/08 15:09	
Alkalinity, Total as CaCO3	268	mg/L	5.0	104	80	120	0.7	10	
Method: A2510 B							Batch: 080523_1_COND-PROBE-W		
Sample ID: LCS_COND-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:55	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:56	
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:57	
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523B			05/23/08 16:24	
Conductivity @ 25 C	1460	umhos/cm	5.0				2.8	10	
Method: A2540 C							Batch: 080520A-SLDS-TDS-W		
Sample ID: LCS1_080520A	Laboratory Control Sample				Run: BAL-4-R_080520A			05/20/08 09:30	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080520A	Method Blank				Run: BAL-4-R_080520A			05/20/08 09:32	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040168-001ADUP	Sample Duplicate				Run: BAL-4-R_080520A			05/20/08 09:33	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0				1.8	20	
Sample ID: R08050229-001AMS	Sample Matrix Spike				Run: BAL-4-R_080520A			05/20/08 10:05	
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	97	80	120			
Sample ID: R08050229-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080520A			05/20/08 10:07	
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	101	80	120	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080519-ORP-ISE-W		
Sample ID: R08050143-001F	Sample Duplicate				Run: PH_COND1-R_080519B		05/19/08 00:00		
Oxidation-Reduction Potential	240	mV					2.2	10	
Method: A3114 B							Batch: C_SE3114-080603A		
Sample ID: MBLK	Method Blank				Run: SUB-C102059		06/03/08 11:03		
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102059		06/03/08 11:05		
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102059		06/03/08 11:14		
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102059		06/03/08 11:16		
Selenium-IV	0.051	mg/L	0.0010	103	85	115	1.1	10	
Sample ID: R08050321-005E	Sample Matrix Spike				Run: SUB-C102059		06/03/08 11:43		
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: R08050321-005E	Sample Matrix Spike Duplicate				Run: SUB-C102059		06/03/08 11:45		
Selenium-IV	0.047	mg/L	0.0010	94	85	115	1.7	10	
Method: A3114 B							Batch: C_SE3114-080603B		
Sample ID: MBLK	Method Blank				Run: SUB-C102093		06/03/08 15:00		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102093		06/03/08 15:02		
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102093		06/03/08 15:06		
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102093		06/03/08 15:08		
Selenium	0.050	mg/L	0.0010	99	85	115	1.3	10	
Sample ID: R08050321-005E	Sample Matrix Spike				Run: SUB-C102093		06/03/08 15:36		
Selenium	0.045	mg/L	0.0010	91	85	115			
Sample ID: R08050321-005E	Sample Matrix Spike Duplicate				Run: SUB-C102093		06/03/08 15:38		
Selenium	0.045	mg/L	0.0010	90	85	115	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: 080523_1_PH-W		
Sample ID: LCS_pH-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523A		05/23/08 14:21		
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08050229-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523A		05/23/08 14:33		
pH	8.18	s.u.	0.010				0.4	1.25	
Method: A4500-NH3 G							Batch: A2008-05-21_2_NH3_01		
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080521A		05/21/08 14:30		
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080521A		05/21/08 14:31		
Nitrogen, Ammonia as N	0.27	mg/L	0.10	109	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080521A		05/21/08 14:32		
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: R08050215-008CMS	Sample Matrix Spike				Run: TECHAA2-R_080521A		05/21/08 17:05		
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	80	120			
Sample ID: R08050215-008CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080521A		05/21/08 17:07		
Nitrogen, Ammonia as N	0.23	mg/L	0.10	93	80	120	5.8	10	
Sample ID: R08050215-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080521A		05/21/08 17:21		
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	80	120			
Sample ID: R08050215-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080521A		05/21/08 17:22		
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	80	120	0.4	10	
Method: D5072-92							Batch: C_R101703		
Sample ID: C08050968-002IDUP	Sample Duplicate				Run: SUB-C101703		05/23/08 07:37		
Radon 222	141	pCi/L	100				12	30	
Sample ID: MB-R101703	Method Blank				Run: SUB-C101703		05/23/08 07:37		
Radon 222	20	pCi/L							U
Sample ID: LCS-R101703	Laboratory Control Sample				Run: SUB-C101703		05/23/08 07:37		
Radon 222	301	pCi/L	100	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18674		
Sample ID: MB-18674	Method Blank		Run: SUB-C101828				05/27/08 21:06		
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.007	mg/L	0.001						
Sample ID: LCS3-18674	Laboratory Control Sample		Run: SUB-C101828				05/27/08 21:11		
Barium	0.53	mg/L	0.10	106	85	115			
Boron	0.51	mg/L	0.10	102	85	115			
Chromium	0.52	mg/L	0.050	104	85	115			
Copper	0.52	mg/L	0.010	104	85	115			
Iron	5.5	mg/L	0.030	111	85	115			
Manganese	2.6	mg/L	0.010	105	85	115			
Nickel	0.52	mg/L	0.050	104	85	115			
Strontium	0.54	mg/L	0.10	108	85	115			
Zinc	0.52	mg/L	0.010	103	85	115			
Sample ID: C08050971-007B MS3	Sample Matrix Spike		Run: SUB-C101828				05/27/08 23:08		
Barium	0.58	mg/L	0.10	105	70	130			
Boron	0.60	mg/L	0.10	106	70	130			
Chromium	0.54	mg/L	0.050	107	70	130			
Copper	0.53	mg/L	0.010	106	70	130			
Iron	5.6	mg/L	0.030	111	70	130			
Manganese	2.7	mg/L	0.010	106	70	130			
Nickel	0.54	mg/L	0.050	107	70	130			
Strontium	1.3	mg/L	0.10	101	70	130			
Zinc	0.53	mg/L	0.010	105	70	130			
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate		Run: SUB-C101828				05/27/08 23:12		
Barium	0.58	mg/L	0.10	104	70	130	1.4	20	
Boron	0.59	mg/L	0.10	104	70	130	1.5	20	
Chromium	0.53	mg/L	0.050	106	70	130	1.3	20	
Copper	0.52	mg/L	0.010	104	70	130	1.9	20	
Iron	5.6	mg/L	0.030	111	70	130	0.2	20	
Manganese	2.6	mg/L	0.010	106	70	130	0.6	20	
Nickel	0.53	mg/L	0.050	106	70	130	1.1	20	
Strontium	1.3	mg/L	0.10	102	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18674
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate					Run: SUB-C101828			05/27/08 23:12
Zinc	0.52	mg/L	0.010	104	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102193		
Sample ID: MB-080604A	Method Blank		Run: SUB-C102193				06/04/08 15:38		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	0.02	mg/L	0.002						
Iron	0.1	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	0.002	mg/L	0.0003						
Molybdenum	0.003	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080604A	Laboratory Fortified Blank		Run: SUB-C102193				06/04/08 15:42		
Silica	0.38	mg/L	0.10	94	85	125			
Aluminum	0.93	mg/L	0.10	93	85	125			
Barium	1.0	mg/L	0.10	103	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	53	mg/L	0.50	106	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	99	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Manganese	1.0	mg/L	0.010	104	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	103	85	125			
Potassium	49	mg/L	0.50	98	85	125			
Sodium	49	mg/L	0.77	98	85	125			
Vanadium	1.1	mg/L	0.10	109	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: C08050913-002CMS2	Sample Matrix Spike		Run: SUB-C102193				06/04/08 18:39		
Aluminum	2.09	mg/L	0.10	103	70	130			
Barium	2.04	mg/L	0.10	99	70	130			
Boron	2.14	mg/L	0.10	102	70	130			
Chromium	2.10	mg/L	0.050	103	70	130			
Iron	2.16	mg/L	0.030	105	70	130			
Manganese	2.23	mg/L	0.010	99	70	130			
Molybdenum	2.01	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102193		
Sample ID: C08050913-002CMS2	Sample Matrix Spike			Run: SUB-C102193			06/04/08 18:39		
Nickel	2.08	mg/L	0.050	102	70	130			
Vanadium	2.08	mg/L	0.10	102	70	130			
Zinc	2.10	mg/L	0.010	103	70	130			
Calcium	177	mg/L	1.0	103	70	130			
Magnesium	135	mg/L	1.0	103	70	130			
Potassium	102	mg/L	1.0	89	70	130			
Silica	4.17	mg/L	0.10		70	130			A
Sodium	286	mg/L	1.5	97	70	130			
Sample ID: C08050913-002CMSD2	Sample Matrix Spike Duplicate			Run: SUB-C102193			06/04/08 18:43		
Aluminum	2.03	mg/L	0.10	99	70	130	3.1	20	
Barium	2.11	mg/L	0.10	103	70	130	3.6	20	
Boron	2.16	mg/L	0.10	104	70	130	1.3	20	
Chromium	2.13	mg/L	0.050	104	70	130	1.6	20	
Iron	2.21	mg/L	0.030	107	70	130	2.2	20	
Manganese	2.28	mg/L	0.010	102	70	130	2.4	20	
Molybdenum	2.08	mg/L	0.10	102	70	130	3.6	20	
Nickel	2.09	mg/L	0.050	103	70	130	0.4	20	
Vanadium	2.14	mg/L	0.10	105	70	130	2.8	20	
Zinc	2.13	mg/L	0.010	104	70	130	1.3	20	
Calcium	180	mg/L	1.0	105	70	130	1.1	20	
Magnesium	136	mg/L	1.0	105	70	130	1.2	20	
Potassium	102	mg/L	1.0	89	70	130	0.4	20	
Silica	4.21	mg/L	0.10		70	130	1.1	20	A
Sodium	282	mg/L	1.5	92	70	130	1.5	20	
Method: E200.8							Batch: C_18688		
Sample ID: C08050953-001FMS	Sample Matrix Spike			Run: SUB-C102315			06/07/08 18:31		
Uranium	0.0132	mg/L	0.00030	97	70	130			
Sample ID: C08050953-001FMSD	Sample Matrix Spike Duplicate			Run: SUB-C102315			06/07/08 18:36		
Uranium	0.0133	mg/L	0.00030	98	70	130	0.8	20	
Sample ID: R08050321-005I	Post Digestion Spike			Run: SUB-C102315			06/07/08 22:50		
Uranium	0.0128	mg/L	0.00030	97	70	130			
Sample ID: R08050321-005I	Post Digestion Spike Duplicate			Run: SUB-C102315			06/07/08 22:55		
Uranium	0.0129	mg/L	0.00030	98	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18768		
Sample ID: MB-18768	Method Blank		Run: SUB-C102298				06/06/08 16:00		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	7E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0001	mg/L	5E-05						
Thallium	0.0001	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18768	Laboratory Control Sample		Run: SUB-C102298				06/06/08 16:07		
Antimony	0.580	mg/L	0.050	116	85	115			
Arsenic	0.562	mg/L	0.0010	112	85	115			
Cadmium	0.275	mg/L	0.010	110	85	115			
Lead	0.568	mg/L	0.050	114	85	115			
Molybdenum	0.544	mg/L	0.10	109	85	115			
Selenium	0.569	mg/L	0.0020	114	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thallium	0.564	mg/L	0.10	113	85	115			
Sample ID: C08051073-001MMS3	Sample Matrix Spike		Run: SUB-C102298				06/06/08 18:56		
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.536	mg/L	0.0010	107	70	130			
Cadmium	0.263	mg/L	0.010	105	70	130			
Lead	0.529	mg/L	0.050	105	70	130			
Molybdenum	0.531	mg/L	0.10	103	70	130			
Selenium	0.527	mg/L	0.0020	104	70	130			
Silver	0.0433	mg/L	0.010	87	70	130			
Thallium	0.519	mg/L	0.10	104	70	130			
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate		Run: SUB-C102298				06/06/08 19:23		
Antimony	0.539	mg/L	0.050	108	70	130	0.2	20	
Arsenic	0.535	mg/L	0.0010	106	70	130	0.2	20	
Cadmium	0.264	mg/L	0.010	106	70	130	0.4	20	
Lead	0.529	mg/L	0.050	105	70	130	0.1	20	
Molybdenum	0.529	mg/L	0.10	103	70	130	0.4	20	
Selenium	0.534	mg/L	0.0020	105	70	130	1.3	20	
Silver	0.0451	mg/L	0.010	90	70	130	4.0	20	
Thallium	0.522	mg/L	0.10	104	70	130	0.5	20	
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18768		
Sample ID: LCS3-18768		Laboratory Control Sample			Run: SUB-C102315		06/07/08 12:11		
Arsenic	0.519	mg/L	0.0010	104	85	115			
Lead	0.509	mg/L	0.050	102	85	115			
Molybdenum	0.504	mg/L	0.10	101	85	115			
Selenium	0.519	mg/L	0.0020	104	85	115			
Uranium	0.519	mg/L	0.00032	104	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102203		
Sample ID: LRB	Method Blank		Run: SUB-C102203				06/04/08 12:01		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C102203				06/04/08 12:07		
Arsenic	0.0502	mg/L	0.0010	100	85	115			
Cadmium	0.0502	mg/L	0.0010	100	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Lead	0.0503	mg/L	0.0010	101	85	115			
Mercury	0.00499	mg/L	0.0010	100	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Thorium 232	0.0495	mg/L	0.0010	99	85	115			
Uranium	0.0501	mg/L	0.00030	100	85	115			
Sample ID: C08050903-007GMS4	Post Digestion Spike		Run: SUB-C102203				06/04/08 15:26		
Arsenic	0.0518	mg/L	0.0010	101	70	130			
Cadmium	0.0475	mg/L	0.010	95	70	130			
Copper	0.0482	mg/L	0.010	95	70	130			
Lead	0.0498	mg/L	0.050	100	70	130			
Mercury	0.00459	mg/L	0.0010	92	70	130			
Silver	0.00192	mg/L	0.010	10	70	130			S
Thorium 232	0.0526	mg/L	0.0010	105	70	130			
Uranium	0.170	mg/L	0.00030	107	70	130			
Sample ID: C08050903-007GMSD4	Post Digestion Spike Duplicate		Run: SUB-C102203				06/04/08 15:32		
Arsenic	0.0525	mg/L	0.0010	102	70	130	1.3	20	
Cadmium	0.0480	mg/L	0.010	96	70	130	1.0	20	
Copper	0.0485	mg/L	0.010	95	70	130	0.7	20	
Lead	0.0507	mg/L	0.050	101	70	130	1.7	20	
Mercury	0.00480	mg/L	0.0010	96	70	130	4.6	20	
Silver	0.000603	mg/L	0.010	3	70	130	0.0	20	S
Thorium 232	0.0539	mg/L	0.0010	107	70	130	2.5	20	
Uranium	0.172	mg/L	0.00030	110	70	130	1.1	20	
Sample ID: C08050968-002BMS4	Post Digestion Spike		Run: SUB-C102203				06/04/08 17:02		
Arsenic	0.0517	mg/L	0.0010	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102203		
Sample ID: C08050968-002BMS4	Post Digestion Spike			Run: SUB-C102203			06/04/08 17:02		
Cadmium	0.0475	mg/L	0.010	95	70	130			
Copper	0.0492	mg/L	0.010	95	70	130			
Lead	0.0519	mg/L	0.050	103	70	130			
Mercury	0.00525	mg/L	0.0010	105	70	130			
Silver	0.0172	mg/L	0.010	86	70	130			
Thorium 232	0.0533	mg/L	0.0010	107	70	130			
Uranium	0.0536	mg/L	0.00030	107	70	130			
Sample ID: C08050968-002BMDS4	Post Digestion Spike Duplicate			Run: SUB-C102203			06/04/08 17:09		
Arsenic	0.0512	mg/L	0.0010	99	70	130	1.0	20	
Cadmium	0.0468	mg/L	0.010	94	70	130	1.5	20	
Copper	0.0480	mg/L	0.010	92	70	130	2.6	20	
Lead	0.0507	mg/L	0.050	101	70	130	2.2	20	
Mercury	0.00513	mg/L	0.0010	103	70	130	2.3	20	
Silver	0.0154	mg/L	0.010	77	70	130	11	20	
Thorium 232	0.0527	mg/L	0.0010	105	70	130	1.1	20	
Uranium	0.0525	mg/L	0.00030	104	70	130	2.2	20	
Method: E245.1							Batch: C_B_32786		
Sample ID: MB-32786	Method Blank			Run: SUB-C102258			06/04/08 17:57		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32786	Laboratory Fortified Blank			Run: SUB-C102258			06/04/08 18:05		
Mercury	0.0019	mg/L	0.0010	91	85	115			
Sample ID: B08052561-001DMS	Sample Matrix Spike			Run: SUB-C102258			06/04/08 18:14		
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08052561-001DMSD	Sample Matrix Spike Duplicate			Run: SUB-C102258			06/04/08 18:16		
Mercury	0.0021	mg/L	0.0010	100	70	130	7.0	30	
Sample ID: B08052499-002CMS	Sample Matrix Spike			Run: SUB-C102258			06/04/08 19:08		
Mercury	0.0017	mg/L	0.0010	87	70	130			
Sample ID: B08052499-002CMSD	Sample Matrix Spike Duplicate			Run: SUB-C102258			06/04/08 19:11		
Mercury	0.0016	mg/L	0.0010	79	70	130	9.1	30	
Method: E245.1							Analytical Run: SUB-C102258		
Sample ID: QCS	Initial Calibration Verification Standard						06/04/08 17:50		
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R34857		
Sample ID: LFB0805201727-3	Laboratory Fortified Blank			Run: DIONEX_080520A			05/20/08 13:29		
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: LFB0805201727-4	Laboratory Fortified Blank			Run: DIONEX_080520A			05/20/08 13:46		
Chloride	4.66	mg/L	0.50	93	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: R08050229-001AMS	Sample Matrix Spike			Run: DIONEX_080520A			05/20/08 14:19		
Chloride	257	mg/L	5.4	90	80	120			
Fluoride	94.2	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1110	mg/L	3.4	86	80	120			
Sample ID: R08050229-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080520A			05/20/08 14:35		
Chloride	249	mg/L	5.4	87	80	120	3.1	10	
Fluoride	91.2	mg/L	0.56	84	80	120	3.3	10	
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120	2.8	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	3.3	10	
Sulfate	1090	mg/L	3.4	83	80	120	2.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0457		
Sample ID: MB-GrAB-0457	Method Blank				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	0.05	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: Th230-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	140	pCi/L	100		70	130			
Sample ID: Cs137-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579				06/11/08 08:06
Gross Beta	87	pCi/L	94		70	130			
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	160	pCi/L	77		70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	150	pCi/L	75		70	130	1.7	17.5	
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579				06/11/08 08:06
Gross Beta	100	pCi/L	93		70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579				06/11/08 08:06
Gross Beta	99	pCi/L	91		70	130	2.5	15.6	
Method: E901.1							Batch: C_R101877		
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877				05/28/08 05:30
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L							U
Sample ID: R08050229-001H	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	6600	pCi/L	20				0.1	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18688
Sample ID: C08050913-001IMS	Sample Matrix Spike				Run: SUB-C102137				06/03/08 08:59
Radium 226	77	pCi/L		98	70	130			
Sample ID: C08050913-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102137				06/03/08 08:59
Radium 226	72	pCi/L		91	70	130	7.4	25.5	
Sample ID: MB-18688	Method Blank				Run: SUB-C102137				06/03/08 10:37
Radium 226	-0.4	pCi/L							U
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102137				06/03/08 10:37
Radium 226	15	pCi/L		99	70	130			
Method: E903.0									Batch: C_RA226-2834
Sample ID: C08050917-001AMS	Sample Matrix Spike				Run: SUB-C102415				06/08/08 16:51
Radium 226	430	pCi/L		-30	70	130			S
- Sample response is much larger than spike amount, therefore small variances in the sample adversely affected the recovery. The LCS and the RPD of the MS/MSD pair meets acceptance criteria; this batch is approved.									
Sample ID: C08050917-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102415				06/08/08 16:58
Radium 226	430	pCi/L		53	70	130	1.5	17.2	S
- Sample response is much larger than spike amount, therefore small variances in the sample adversely affected the recovery. The LCS and the RPD of the MS/MSD pair meets acceptance criteria; this batch is approved.									
Sample ID: MB-RA226-2834	Method Blank				Run: SUB-C102415				06/09/08 13:54
Radium 226	0.06	pCi/L							U
Sample ID: LCS-RA226-2834	Laboratory Control Sample				Run: SUB-C102415				06/09/08 15:24
Radium 226	7.4	pCi/L		93	70	130			
Method: E907.0									Batch: C_18688
Sample ID: R08050321-001I	Sample Matrix Spike				Run: SUB-C102353				05/29/08 15:00
Thorium 230	20.6	pCi/L	0.20	88	70	130			
Sample ID: R08050321-001I	Sample Matrix Spike Duplicate				Run: SUB-C102353				05/29/08 15:00
Thorium 230	22.8	pCi/L	0.20	102	70	130	10	30	
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102353				05/29/08 15:00
Thorium 230	51.0	pCi/L	0.20	107	70	130			
Sample ID: MB-18688	Method Blank				Run: SUB-C102353				05/29/08 15:00
Thorium 230	-0.2	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/14/08

Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R102565		
Sample ID: LCS-R102565	Laboratory Control Sample				Run: SUB-C102565		06/05/08 15:00		
Thorium 230	6.70	pCi/L	0.20	96	70	130			
Sample ID: R08050229-002H	Sample Matrix Spike				Run: SUB-C102565		06/05/08 15:00		
Thorium 230	16.6	pCi/L	0.20	103	70	130			
Sample ID: R08050229-002H	Sample Matrix Spike Duplicate				Run: SUB-C102565		06/05/08 15:00		
Thorium 230	14.3	pCi/L	0.20	89	70	130	15	30	
Sample ID: MB-R102565	Method Blank				Run: SUB-C102565		06/05/08 15:00		
Thorium 230	ND	pCi/L							U
Method: E909.0M							Batch: C_R104902		
Sample ID: C08050913-003IMS	Sample Matrix Spike				Run: SUB-C104902		07/03/08 09:50		
Lead 210	1200	pCi/L		105	70	130			
Sample ID: C08050913-003IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104902		07/03/08 09:50		
Lead 210	1000	pCi/L		89	70	130	17	30	
Sample ID: MB-R104902	Method Blank				Run: SUB-C104902		07/03/08 09:50		
Lead 210	1	pCi/L							U
Sample ID: LCS-R104902	Laboratory Control Sample				Run: SUB-C104902		07/03/08 09:50		
Lead 210	61	pCi/L		101	70	130			
Method: E909.0M							Batch: C_R105446		
Sample ID: C08050919-002HMS	Sample Matrix Spike				Run: SUB-C105446		06/25/08 11:25		
Lead 210	550	pCi/L		92	70	130			
Sample ID: C08050919-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105446		06/25/08 11:25		
Lead 210	420	pCi/L		71	70	130	26	30	
Sample ID: R08050321-002H	Sample Duplicate				Run: SUB-C105446		06/25/08 11:25		
Lead 210	80	pCi/L					25	30	
Sample ID: MB-R105446	Method Blank				Run: SUB-C105446		06/25/08 11:25		
Lead 210	ND	pCi/L							U
Sample ID: LCS-R105446	Laboratory Control Sample				Run: SUB-C105446		06/25/08 11:25		
Lead 210	140	pCi/L		115	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R102444		
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444		06/03/08 17:45		
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008							Batch: C_R103071		
Sample ID: R08050321-005I	Sample Matrix Spike				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: R08050321-005I	Sample Matrix Spike Duplicate				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	0.5	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESpec		Project Name, PWS, Permit, Etc.		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: RESpec		Contact Name: Rene Tech Dewey Burdock		Phone/Fax:	Sampler: (Please Print) Eric Lehtz
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following:					
<input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data)					
<input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC					
<input type="checkbox"/> State: <input type="checkbox"/> Other: <input type="checkbox"/>					
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	Number of Containers
1. DewBurd GW 681		5/18/08	11:18	W	Sample Type: AWSVB O
2. DewBurd GW 679		5/18/08	15:00	W	Air Water Soils/Solids Vegetation Bioassay Other
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
Custody Record MUST be Signed		Requested by (print): Eric Lehtz	Date/Time: 5/19/08 0600	Signature: [Signature]	Received by (print): Mark Ninkate
		Relinquished by (print): Mark Ninkate	Date/Time: 5/19/08 1030	Signature: [Signature]	Received by (print): Steve Hild
		Sample Disposal: Return to Client:	Lab Disposal:		Date/Time: 5-19-08 1230
					Signature: [Signature]

Special Report/Formats - ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA ☐ EDD/EDT (Electronic Data)
☐ GSA ☐ POTW/WWTP ☐ Format: ☐ LEVEL IV ☐ NELAC
☐ State: ☐ Other: ☐

Number of Containers
Sample Type: AWSVB O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED
Normal Turnaround (TAT)

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page

Comments:

Receipt Temp
On Ice: **12.8 °C**
Yes ☒ No ☐

Custody Seal Y N
Intact Y N
Signature Y N
Match Y N

LABORATORY USE ONLY

Set 3 Dewey
Set 10 Alkaline
80805027-001
202



ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

July 30, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050251

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 3 samples from RESPEC Inc on 5/20/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050251-001	DewBurd GW631	05/19/08 11:06	05/20/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050251-002	DewBurd GW13	05/19/08 12:20	05/20/08	Aqueous	Same As Above
R08050251-003	DewBurd GW4002	05/19/08 13:00	05/20/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-001
Client Sample ID: DewBurd GW631

Report Date: 07/30/08
Collection Date: 05/19/08 11:06
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	164	mg/L		5		1	A2320 B	05/22/08 09:44/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/22/08 09:44/mb
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	05/22/08 09:44/mb
Calcium	375	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Chloride	10	mg/L		1		1	E300.0	05/20/08 16:30/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/20/08 16:30/jmh
Magnesium	110	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:42/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/20/08 16:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 16:30/jmh
Potassium	16.3	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Silica	3.5	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Sodium	107	mg/L	D	2		2	E200.7	06/04/08 18:19/eli-c
Sulfate	1250	mg/L	D	3		50	E300.0	05/20/08 16:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2530	umhos/cm		5.0		1	A2510 B	05/23/08 16:05/tb
Oxidation-Reduction Potential	230	mV				1	A2580 B	05/23/08 00:00/kh
pH	7.54	s.u.		0.01		1	A4500-H B	05/23/08 14:45/kh
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.10		1	Calculation	07/29/08 15:22/ADM
Solids, Total Dissolved TDS @ 180 C	2000	mg/L		5		1	A2540 C	05/20/08 12:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 15:39/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:39/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:39/eli-c
Iron	0.39	mg/L		0.03		2	E200.7	06/04/08 18:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:39/eli-c
Manganese	0.33	mg/L		0.01		2	E200.7	06/04/08 18:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:39/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:19/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-001
Client Sample ID: DewBurd GW631

Report Date: 07/30/08
Collection Date: 05/19/08 11:06
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:39/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	06/04/08 15:39/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 18:19/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:18/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	60.7	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	7.9	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	6.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	26.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	4.4	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	6.6	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	0.5	pCi/L	U			1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	9.6	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	22.1	pCi/L				1	E903.0	06/08/08 09:46/eli-c
Radium 226 precision (±)	1.0	pCi/L				1	E903.0	06/08/08 09:46/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	130	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	27	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.4	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/03/08 08:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-001
Client Sample ID: DewBurd GW631

Report Date: 07/30/08
Collection Date: 05/19/08 11:06
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	4430	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	112	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:15/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:38/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	05/27/08 21:15/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:15/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:15/eli-c
Iron	0.98	mg/L		0.03		2	E200.7	05/27/08 21:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Manganese	0.32	mg/L		0.01		2	E200.7	05/27/08 21:15/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:47/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:08/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:15/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:08/eli-c
Strontium	6.8	mg/L		0.1		2	E200.7	05/27/08 21:15/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Uranium	0.0028	mg/L		0.0003		1	E200.8	06/06/08 17:08/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/27/08 21:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.08	%				1	A1030 E	07/29/08 00:00/jmh
Anions	29.7	meq/L				1	A1030 E	07/29/08 00:00/jmh
Cations	32.8	meq/L				1	A1030 E	07/29/08 00:00/jmh
Solids, Total Dissolved Calculated	1980	mg/L				1	A1030 E	07/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	07/29/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-002
Client Sample ID: DewBurd GW13

Report Date: 07/30/08
Collection Date: 05/19/08 12:20
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By	
				RL	QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	156	mg/L		5		1	A2320 B	05/22/08 09:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/22/08 09:59/mb
Bicarbonate as HCO3	190	mg/L		5		1	A2320 B	05/22/08 09:59/mb
Calcium	72.4	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Chloride	10	mg/L		1		1	E300.0	05/20/08 18:09/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/20/08 18:09/jmh
Magnesium	29.5	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:43/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/20/08 18:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 18:09/jmh
Potassium	11.5	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Silica	3.6	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Sodium	188	mg/L	D	2		2	E200.7	06/04/08 18:35/eli-c
Sulfate	442	mg/L	D	3		50	E300.0	05/20/08 17:19/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	05/23/08 16:08/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	05/23/08 00:00/kh
pH	7.96	s.u.		0.01		1	A4500-H B	05/23/08 14:46/kh
Sodium Adsorption Ratio (SAR)	4.7	unitless		0.10		1	Calculation	07/29/08 15:22/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	05/20/08 12:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 15:46/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:46/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:46/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 18:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:46/eli-c
Manganese	0.20	mg/L		0.01		2	E200.7	06/04/08 18:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:46/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:35/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:46/eli-c

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-002
Client Sample ID: DewBurd GW13

Report Date: 07/30/08
Collection Date: 05/19/08 12:20
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/04/08 15:46/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/04/08 18:35/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	2.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	10.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	4.1	pCi/L	U			1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	9.6	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	-0.6	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	1.6	pCi/L				1	E903.0	06/08/08 15:48/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/08/08 15:48/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.2	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	0.01	pCi/L	U			1	E903.0	06/03/08 08:59/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-002
Client Sample ID: DewBurd GW13

Report Date: 07/30/08
Collection Date: 05/19/08 12:20
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
RADIONUCLIDES - SUSPENDED									
Radium 226 precision (±)	0.3	pCi/L					1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L					1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.2	pCi/L	U	0.2			1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L					1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	412	pCi/L		100			1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	70.5	pCi/L					1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			1	E200.8	06/06/08 17:15/eli-c
Arsenic	0.001	mg/L		0.001			1	E200.8	06/06/08 17:15/eli-c
Barium	ND	mg/L		0.1			2	E200.7	05/27/08 21:23/eli-c
Beryllium	ND	mg/L		0.001			1	E200.8	06/09/08 14:45/eli-c
Boron	ND	mg/L		0.1			2	E200.7	05/27/08 21:23/eli-c
Cadmium	ND	mg/L		0.001			1	E200.8	06/06/08 17:15/eli-c
Chromium	ND	mg/L		0.05			2	E200.7	05/27/08 21:23/eli-c
Copper	ND	mg/L		0.01			2	E200.7	05/27/08 21:23/eli-c
Iron	4.56	mg/L		0.03			2	E200.7	05/27/08 21:23/eli-c
Lead	ND	mg/L		0.001			1	E200.8	06/06/08 17:15/eli-c
Manganese	0.20	mg/L		0.01			2	E200.7	05/27/08 21:23/eli-c
Mercury	ND	mg/L		0.0001			1	E245.1	06/04/08 19:50/eli-b
Molybdenum	ND	mg/L		0.01			1	E200.8	06/06/08 17:15/eli-c
Nickel	ND	mg/L		0.05			2	E200.7	05/27/08 21:23/eli-c
Selenium	ND	mg/L		0.001			1	E200.8	06/06/08 17:15/eli-c
Silver	ND	mg/L		0.005			1	E200.8	06/06/08 17:15/eli-c
Strontium	1.7	mg/L		0.1			2	E200.7	05/27/08 21:23/eli-c
Thallium	ND	mg/L		0.001			1	E200.8	06/06/08 17:15/eli-c
Uranium	ND	mg/L		0.0003			1	E200.8	06/06/08 17:15/eli-c
Zinc	0.04	mg/L		0.01			2	E200.7	05/27/08 21:23/eli-c
DATA QUALITY									
A/C Balance (± 5)	6.97	%					1	A1030 E	07/29/08 00:00/jmh
Anions	12.6	meq/L					1	A1030 E	07/29/08 00:00/jmh
Cations	14.5	meq/L					1	A1030 E	07/29/08 00:00/jmh
Solids, Total Dissolved Calculated	857	mg/L					1	A1030 E	07/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02						1	A1030 E	07/29/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-003
Client Sample ID: DewBurd GW4002

Report Date: 07/30/08
Collection Date: 05/19/08 13:00
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	144	mg/L		5		1	A2320 B	05/22/08 10:02/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/22/08 10:02/mb
Bicarbonate as HCO3	176	mg/L		5		1	A2320 B	05/22/08 10:02/mb
Calcium	46.6	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Chloride	6	mg/L		1		1	E300.0	05/20/08 18:41/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/20/08 18:41/jmh
Magnesium	15.8	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:44/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	05/20/08 18:41/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 18:41/jmh
Potassium	7.1	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Sodium	211	mg/L	D	2		2	E200.7	06/04/08 18:48/eli-c
Sulfate	450	mg/L	D	3		50	E300.0	05/20/08 18:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1340	umhos/cm		5.0		1	A2510 B	05/23/08 16:10/tb
Oxidation-Reduction Potential	250	mV				1	A2580 B	05/23/08 00:00/kh
pH	8.02	s.u.		0.01		1	A4500-H B	05/23/08 14:48/kh
Sodium Adsorption Ratio (SAR)	6.8	unitless		0.10		1	Calculation	07/29/08 15:22/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	05/20/08 12:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 15:53/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:53/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:53/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 18:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:53/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	06/04/08 18:48/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:53/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:48/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:53/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-003
Client Sample ID: DewBurd GW4002

Report Date: 07/30/08
Collection Date: 05/19/08 13:00
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:53/eli-c
Uranium	0.0023	mg/L		0.0003		1	E200.8	06/04/08 15:53/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 18:48/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:51/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:22/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	127	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	6.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	30.1	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	2.9	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	-2.6	pCi/L	U			1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	9.5	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	52.3	pCi/L				1	E903.0	06/08/08 16:38/eli-c
Radium 226 precision (±)	1.9	pCi/L				1	E903.0	06/08/08 16:38/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	210	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	30	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.4	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	8.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-003
Client Sample ID: DewBurd GW4002

Report Date: 07/30/08
Collection Date: 05/19/08 13:00
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	8780	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	143	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:21/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:27/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:52/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/27/08 21:27/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:27/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:27/eli-c
Iron	2.29	mg/L		0.03		2	E200.7	05/27/08 21:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	05/27/08 21:27/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:52/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:21/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:27/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:21/eli-c
Strontium	0.9	mg/L		0.1		2	E200.7	05/27/08 21:27/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	06/06/08 17:21/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/27/08 21:27/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.11	%				1	A1030 E	07/29/08 00:00/jmh
Anions	12.4	meq/L				1	A1030 E	07/29/08 00:00/jmh
Cations	13.0	meq/L				1	A1030 E	07/29/08 00:00/jmh
Solids, Total Dissolved Calculated	834	mg/L				1	A1030 E	07/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	07/29/08 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc

Report Date: 07/30/08

Project: Edgemont

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080522A-ALK-SEL-W							
Sample ID: LCS1_080522A	Laboratory Control Sample				Run: PH_COND1-R_080522A		05/22/08 09:22		
Alkalinity, Total as CaCO ₃	944	mg/L	5.0	94	90	110			
Sample ID: MBLK1_080522A	Method Blank				Run: PH_COND1-R_080522A		05/22/08 09:26		
Alkalinity, Total as CaCO ₃	4	mg/L	3						
Sample ID: R08050266-003AMS	Sample Matrix Spike				Run: PH_COND1-R_080522A		05/22/08 10:29		
Alkalinity, Total as CaCO ₃	292	mg/L	5.0	115	80	120			
Sample ID: R08050266-003AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080522A		05/22/08 10:23		
Alkalinity, Total as CaCO ₃	290	mg/L	5.0	113	80	120	0.7	10	
Method: A2510 B		Batch: 080523_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B		05/23/08 15:55		
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B		05/23/08 15:56		
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B		05/23/08 15:57		
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523B		05/23/08 16:24		
Conductivity @ 25 C	1460	umhos/cm	5.0				2.8	10	
Method: A2540 C		Batch: 080520A-SLDS-TDS-W							
Sample ID: LCS1_080520A	Laboratory Control Sample				Run: BAL-4-R_080520A		05/20/08 09:30		
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080520A	Method Blank				Run: BAL-4-R_080520A		05/20/08 09:32		
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040168-001ADUP	Sample Duplicate				Run: BAL-4-R_080520A		05/20/08 09:33		
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0				1.8	20	
Sample ID: R08050229-001AMS	Sample Matrix Spike				Run: BAL-4-R_080520A		05/20/08 10:05		
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	97	80	120			
Sample ID: R08050229-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080520A		05/20/08 10:07		
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	101	80	120	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080603A		
Sample ID: MBLK	Method Blank					Run: SUB-C102059			06/03/08 11:03
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample					Run: SUB-C102059			06/03/08 11:05
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike					Run: SUB-C102059			06/03/08 11:14
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate					Run: SUB-C102059			06/03/08 11:16
Selenium-IV	0.051	mg/L	0.0010	103	85	115	1.1	10	
Method: A3114 B							Batch: C_SE3114-080603B		
Sample ID: MBLK	Method Blank					Run: SUB-C102093			06/03/08 15:00
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample					Run: SUB-C102093			06/03/08 15:02
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike					Run: SUB-C102093			06/03/08 15:06
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate					Run: SUB-C102093			06/03/08 15:08
Selenium	0.050	mg/L	0.0010	99	85	115	1.3	10	
Method: A4500-H B							Batch: 080523_1_PH-W		
Sample ID: LCS_pH-1_080523	Laboratory Control Sample					Run: PH_COND2-R_080523A			05/23/08 14:21
pH	6.92	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2008-05-21_2_NH3_01							
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080521A			05/21/08 14:30
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080521A			05/21/08 14:31
Nitrogen, Ammonia as N	0.27	mg/L	0.10	109	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080521A			05/21/08 14:32
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: R08050241-001CMS	Sample Matrix Spike					Run: TECHAA2-R_080521A			05/21/08 17:37
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	80	120			
Sample ID: R08050266-001CMS	Sample Matrix Spike					Run: TECHAA2-R_080521A			05/21/08 17:49
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	80	120			
Sample ID: R08050266-001CMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080521A			05/21/08 17:50
Nitrogen, Ammonia as N	0.25	mg/L	0.10	101	80	120	4.9	10	
Method: D5072-92		Batch: C_R101703							
Sample ID: C08050968-002IDUP	Sample Duplicate					Run: SUB-C101703			05/23/08 07:37
Radon 222	141	pCi/L	100				12	30	
Sample ID: MB-R101703	Method Blank					Run: SUB-C101703			05/23/08 07:37
Radon 222	20	pCi/L							U
Sample ID: LCS-R101703	Laboratory Control Sample					Run: SUB-C101703			05/23/08 07:37
Radon 222	301	pCi/L	100	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18674		
Sample ID: MB-18674	Method Blank		Run: SUB-C101828				05/27/08 21:06		
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.007	mg/L	0.001						
Sample ID: LCS3-18674	Laboratory Control Sample		Run: SUB-C101828				05/27/08 21:11		
Barium	0.53	mg/L	0.10	106	85	115			
Boron	0.51	mg/L	0.10	102	85	115			
Chromium	0.52	mg/L	0.050	104	85	115			
Copper	0.52	mg/L	0.010	104	85	115			
Iron	5.5	mg/L	0.030	111	85	115			
Manganese	2.6	mg/L	0.010	105	85	115			
Nickel	0.52	mg/L	0.050	104	85	115			
Strontium	0.54	mg/L	0.10	108	85	115			
Zinc	0.52	mg/L	0.010	103	85	115			
Sample ID: C08050971-007B MS3	Sample Matrix Spike		Run: SUB-C101828				05/27/08 23:08		
Barium	0.58	mg/L	0.10	105	70	130			
Boron	0.60	mg/L	0.10	106	70	130			
Chromium	0.54	mg/L	0.050	107	70	130			
Copper	0.53	mg/L	0.010	106	70	130			
Iron	5.6	mg/L	0.030	111	70	130			
Manganese	2.7	mg/L	0.010	106	70	130			
Nickel	0.54	mg/L	0.050	107	70	130			
Strontium	1.3	mg/L	0.10	101	70	130			
Zinc	0.53	mg/L	0.010	105	70	130			
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate		Run: SUB-C101828				05/27/08 23:12		
Barium	0.58	mg/L	0.10	104	70	130	1.4	20	
Boron	0.59	mg/L	0.10	104	70	130	1.5	20	
Chromium	0.53	mg/L	0.050	106	70	130	1.3	20	
Copper	0.52	mg/L	0.010	104	70	130	1.9	20	
Iron	5.6	mg/L	0.030	111	70	130	0.2	20	
Manganese	2.6	mg/L	0.010	106	70	130	0.6	20	
Nickel	0.53	mg/L	0.050	106	70	130	1.1	20	
Strontium	1.3	mg/L	0.10	102	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18674
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate					Run: SUB-C101828			05/27/08 23:12
Zinc	0.52	mg/L	0.010	104	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102193		
Sample ID: MB-080604A	Method Blank		Run: SUB-C102193				06/04/08 15:38		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	0.02	mg/L	0.002						
Iron	0.1	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	0.002	mg/L	0.0003						
Molybdenum	0.003	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080604A							Run: SUB-C102193		
Laboratory Fortified Blank							06/04/08 15:42		
Silica	0.38	mg/L	0.10	94	85	125			
Aluminum	0.93	mg/L	0.10	93	85	125			
Barium	1.0	mg/L	0.10	103	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	53	mg/L	0.50	106	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	99	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Manganese	1.0	mg/L	0.010	104	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	103	85	125			
Potassium	49	mg/L	0.50	98	85	125			
Sodium	49	mg/L	0.77	98	85	125			
Vanadium	1.1	mg/L	0.10	109	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: R08050251-002C							Run: SUB-C102193		
Sample Matrix Spike							06/04/08 18:39		
Aluminum	2.09	mg/L	0.10	103	70	130			
Barium	2.04	mg/L	0.10	99	70	130			
Boron	2.14	mg/L	0.10	102	70	130			
Chromium	2.10	mg/L	0.050	103	70	130			
Iron	2.16	mg/L	0.030	105	70	130			
Manganese	2.23	mg/L	0.010	99	70	130			
Molybdenum	2.01	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102193		
Sample ID: R08050251-002C	Sample Matrix Spike		Run: SUB-C102193				06/04/08 18:39		
Nickel	2.08	mg/L	0.050	102	70	130			
Vanadium	2.08	mg/L	0.10	102	70	130			
Zinc	2.10	mg/L	0.010	103	70	130			
Calcium	177	mg/L	1.0	103	70	130			
Magnesium	135	mg/L	1.0	103	70	130			
Potassium	102	mg/L	1.0	89	70	130			
Silica	4.17	mg/L	0.10		70	130			A
Sodium	286	mg/L	1.5	97	70	130			
Sample ID: R08050251-002C	Sample Matrix Spike Duplicate		Run: SUB-C102193				06/04/08 18:43		
Aluminum	2.03	mg/L	0.10	99	70	130	3.1	20	
Barium	2.11	mg/L	0.10	103	70	130	3.6	20	
Boron	2.16	mg/L	0.10	104	70	130	1.3	20	
Chromium	2.13	mg/L	0.050	104	70	130	1.6	20	
Iron	2.21	mg/L	0.030	107	70	130	2.2	20	
Manganese	2.28	mg/L	0.010	102	70	130	2.4	20	
Molybdenum	2.08	mg/L	0.10	102	70	130	3.6	20	
Nickel	2.09	mg/L	0.050	103	70	130	0.4	20	
Vanadium	2.14	mg/L	0.10	105	70	130	2.8	20	
Zinc	2.13	mg/L	0.010	104	70	130	1.3	20	
Calcium	180	mg/L	1.0	105	70	130	1.1	20	
Magnesium	136	mg/L	1.0	105	70	130	1.2	20	
Potassium	102	mg/L	1.0	89	70	130	0.4	20	
Silica	4.21	mg/L	0.10		70	130	1.1	20	A
Sodium	282	mg/L	1.5	92	70	130	1.5	20	
Method: E200.8							Batch: C_18688		
Sample ID: C08050953-001FMS	Sample Matrix Spike		Run: SUB-C102315				06/07/08 18:31		
Uranium	0.0132	mg/L	0.00030	97	70	130			
Sample ID: C08050953-001FMSD	Sample Matrix Spike Duplicate		Run: SUB-C102315				06/07/08 18:36		
Uranium	0.0133	mg/L	0.00030	98	70	130	0.8	20	
Sample ID: C08051031-005IMS4	Post Digestion Spike		Run: SUB-C102315				06/07/08 22:50		
Uranium	0.0128	mg/L	0.00030	97	70	130			
Sample ID: C08051031-005IMSD4	Post Digestion Spike Duplicate		Run: SUB-C102315				06/07/08 22:55		
Uranium	0.0129	mg/L	0.00030	98	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18768		
Sample ID: MB-18768	Method Blank		Run: SUB-C102298				06/06/08 16:00		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	7E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0001	mg/L	5E-05						
Thallium	0.0001	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18768	Laboratory Control Sample		Run: SUB-C102298				06/06/08 16:07		
Antimony	0.580	mg/L	0.050	116	85	115			
Arsenic	0.562	mg/L	0.0010	112	85	115			
Cadmium	0.275	mg/L	0.010	110	85	115			
Lead	0.568	mg/L	0.050	114	85	115			
Molybdenum	0.544	mg/L	0.10	109	85	115			
Selenium	0.569	mg/L	0.0020	114	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thallium	0.564	mg/L	0.10	113	85	115			
Sample ID: C08051073-001MMS3	Sample Matrix Spike		Run: SUB-C102298				06/06/08 18:56		
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.536	mg/L	0.0010	107	70	130			
Cadmium	0.263	mg/L	0.010	105	70	130			
Lead	0.529	mg/L	0.050	105	70	130			
Molybdenum	0.531	mg/L	0.10	103	70	130			
Selenium	0.527	mg/L	0.0020	104	70	130			
Silver	0.0433	mg/L	0.010	87	70	130			
Thallium	0.519	mg/L	0.10	104	70	130			
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate		Run: SUB-C102298				06/06/08 19:23		
Antimony	0.539	mg/L	0.050	108	70	130	0.2	20	
Arsenic	0.535	mg/L	0.0010	106	70	130	0.2	20	
Cadmium	0.264	mg/L	0.010	106	70	130	0.4	20	
Lead	0.529	mg/L	0.050	105	70	130	0.1	20	
Molybdenum	0.529	mg/L	0.10	103	70	130	0.4	20	
Selenium	0.534	mg/L	0.0020	105	70	130	1.3	20	
Silver	0.0451	mg/L	0.010	90	70	130	4.0	20	
Thallium	0.522	mg/L	0.10	104	70	130	0.5	20	
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18768		
Sample ID: LCS3-18768		Laboratory Control Sample			Run: SUB-C102315		06/07/08 12:11		
Arsenic	0.519	mg/L	0.0010	104	85	115			
Lead	0.509	mg/L	0.050	102	85	115			
Molybdenum	0.504	mg/L	0.10	101	85	115			
Selenium	0.519	mg/L	0.0020	104	85	115			
Uranium	0.519	mg/L	0.00032	104	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102203		
Sample ID: LRB	Method Blank		Run: SUB-C102203				06/04/08 12:01		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C102203				06/04/08 12:07		
Arsenic	0.0502	mg/L	0.0010	100	85	115			
Cadmium	0.0502	mg/L	0.0010	100	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Lead	0.0503	mg/L	0.0010	101	85	115			
Mercury	0.00499	mg/L	0.0010	100	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Thorium 232	0.0495	mg/L	0.0010	99	85	115			
Uranium	0.0501	mg/L	0.00030	100	85	115			
Sample ID: C08050903-007GMS4	Post Digestion Spike		Run: SUB-C102203				06/04/08 15:26		
Arsenic	0.0518	mg/L	0.0010	101	70	130			
Cadmium	0.0475	mg/L	0.010	95	70	130			
Copper	0.0482	mg/L	0.010	95	70	130			
Lead	0.0498	mg/L	0.050	100	70	130			
Mercury	0.00459	mg/L	0.0010	92	70	130			
Silver	0.00192	mg/L	0.010	10	70	130			S
Thorium 232	0.0526	mg/L	0.0010	105	70	130			
Uranium	0.170	mg/L	0.00030	107	70	130			
Sample ID: C08050903-007GMSD4	Post Digestion Spike Duplicate		Run: SUB-C102203				06/04/08 15:32		
Arsenic	0.0525	mg/L	0.0010	102	70	130	1.3	20	
Cadmium	0.0480	mg/L	0.010	96	70	130	1.0	20	
Copper	0.0485	mg/L	0.010	95	70	130	0.7	20	
Lead	0.0507	mg/L	0.050	101	70	130	1.7	20	
Mercury	0.00480	mg/L	0.0010	96	70	130	4.6	20	
Silver	0.000603	mg/L	0.010	3	70	130	0.0	20	S
Thorium 232	0.0539	mg/L	0.0010	107	70	130	2.5	20	
Uranium	0.172	mg/L	0.00030	110	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: C_B_32786		
Sample ID: MB-32786	Method Blank					Run: SUB-C102258			06/04/08 17:57
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32786	Laboratory Fortified Blank					Run: SUB-C102258			06/04/08 18:05
Mercury	0.0019	mg/L	0.0010	91	85	115			
Sample ID: B08052561-001DMS	Sample Matrix Spike					Run: SUB-C102258			06/04/08 18:14
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08052561-001DMSD	Sample Matrix Spike Duplicate					Run: SUB-C102258			06/04/08 18:16
Mercury	0.0021	mg/L	0.0010	100	70	130	7.0	30	
Sample ID: B08052499-002CMS	Sample Matrix Spike					Run: SUB-C102258			06/04/08 19:08
Mercury	0.0017	mg/L	0.0010	87	70	130			
Sample ID: B08052499-002CMSD	Sample Matrix Spike Duplicate					Run: SUB-C102258			06/04/08 19:11
Mercury	0.0016	mg/L	0.0010	79	70	130	9.1	30	
Method: E245.1							Analytical Run: SUB-C102258		
Sample ID: QCS	Initial Calibration Verification Standard								06/04/08 17:50
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34857
Sample ID: LFB0805201727-3	Laboratory Fortified Blank			Run: DIONEX_080520A			05/20/08 13:29		
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: LFB0805201727-4	Laboratory Fortified Blank			Run: DIONEX_080520A			05/20/08 13:46		
Chloride	4.66	mg/L	0.50	93	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: R08050251-002AMS	Sample Matrix Spike			Run: DIONEX_080520A			05/20/08 17:36		
Chloride	252	mg/L	5.4	91	80	120			
Fluoride	94.6	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1110	mg/L	3.4	89	80	120			
Sample ID: R08050251-002AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080520A			05/20/08 17:52		
Chloride	244	mg/L	5.4	87	80	120	3.5	10	
Fluoride	91.4	mg/L	0.56	84	80	120	3.5	10	
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120	2.8	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	3.3	10	
Sulfate	1100	mg/L	3.4	87	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0457		
Sample ID: MB-GrAB-0457	Method Blank				Run: SUB-C102579			06/11/08 08:06	
Gross Alpha	0.05	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: Th230-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579			06/11/08 08:06	
Gross Alpha	140	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579			06/11/08 08:06	
Gross Beta	87	pCi/L		94	70	130			
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579			06/11/08 08:06	
Gross Alpha	160	pCi/L		77	70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579			06/11/08 08:06	
Gross Alpha	150	pCi/L		75	70	130	1.7	17.5	
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579			06/11/08 08:06	
Gross Beta	100	pCi/L		93	70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579			06/11/08 08:06	
Gross Beta	99	pCi/L		91	70	130	2.5	15.6	
Sample ID: C08050959-001EDUP	Sample Duplicate				Run: SUB-C102579			06/11/08 21:12	
Gross Alpha	370	pCi/L					14	22.1	
Gross Beta	160	pCi/L					41	27.5	R
- Duplicate RPD for Beta is outside of acceptance range. All other QC for the run is within limits. Batch is acceptable.									
Method: E901.1							Batch: C_R101877		
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877			05/28/08 05:30	
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L							U
Sample ID: C08050919-001HDUP	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	6600	pCi/L	20				0.1	30	
Sample ID: C08051031-005HDUP	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18688		
Sample ID: R08050251-001I	Sample Matrix Spike				Run: SUB-C102137		06/03/08 08:59		
Radium 226	77	pCi/L		98	70	130			
Sample ID: R08050251-001I	Sample Matrix Spike Duplicate				Run: SUB-C102137		06/03/08 08:59		
Radium 226	72	pCi/L		91	70	130	7.4	25.5	
Sample ID: MB-18688	Method Blank				Run: SUB-C102137		06/03/08 10:37		
Radium 226	-0.4	pCi/L							U
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102137		06/03/08 10:37		
Radium 226	15	pCi/L		99	70	130			
Method: E903.0							Batch: C_RA226-2833		
Sample ID: C08050998-001AMS	Sample Matrix Spike				Run: SUB-C102378		06/07/08 20:14		
Radium 226	7.9	pCi/L		98	70	130			
Sample ID: C08050998-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102378		06/07/08 21:45		
Radium 226	7.8	pCi/L		97	70	130	0.7	25	
Sample ID: MB-RA226-2833	Method Blank				Run: SUB-C102378		06/07/08 23:15		
Radium 226	0.1	pCi/L							U
Sample ID: LCS-RA226-2833	Laboratory Control Sample				Run: SUB-C102378		06/08/08 11:16		
Radium 226	8.4	pCi/L		104	70	130			
Method: E903.0							Batch: C_RA226-2834		
Sample ID: C08050917-001AMS	Sample Matrix Spike				Run: SUB-C102415		06/08/08 16:51		
Radium 226	430	pCi/L		-30	70	130			S
- Sample response is much larger than spike amount, therefore small variances in the sample adversely affected the recovery. The LCS and the RPD of the MS/MSD pair meets acceptance criteria; this batch is approved.									
Sample ID: C08050917-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102415		06/08/08 16:58		
Radium 226	430	pCi/L		53	70	130	1.5	17.2	S
- Sample response is much larger than spike amount, therefore small variances in the sample adversely affected the recovery. The LCS and the RPD of the MS/MSD pair meets acceptance criteria; this batch is approved.									
Sample ID: MB-RA226-2834	Method Blank				Run: SUB-C102415		06/09/08 13:54		
Radium 226	0.06	pCi/L							U
Sample ID: LCS-RA226-2834	Laboratory Control Sample				Run: SUB-C102415		06/09/08 15:24		
Radium 226	7.4	pCi/L		93	70	130			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_18688		
Sample ID: C08051031-001IMS	Sample Matrix Spike				Run: SUB-C102353		05/29/08 15:00		
Thorium 230	20.6	pCi/L	0.20	88	70	130			
Sample ID: C08051031-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102353		05/29/08 15:00		
Thorium 230	22.8	pCi/L	0.20	102	70	130	10	30	
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102353		05/29/08 15:00		
Thorium 230	51.0	pCi/L	0.20	107	70	130			
Sample ID: MB-18688	Method Blank				Run: SUB-C102353		05/29/08 15:00		
Thorium 230	-0.2	pCi/L							
Method: E907.0							Batch: C_R102575		
Sample ID: LCS-R102575	Laboratory Control Sample				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	6.60	pCi/L	0.20	94	70	130			
Sample ID: C08051031-004HMS	Sample Matrix Spike				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	15.5	pCi/L	0.20	96	70	130			
Sample ID: C08051031-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	13.9	pCi/L	0.20	85	70	130	11	30	
Sample ID: MB-R102575	Method Blank				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	ND	pCi/L							
Method: E909.0M							Batch: C_R104386		
Sample ID: C08050730-004FMS	Sample Matrix Spike				Run: SUB-C104386		06/27/08 08:45		
Lead 210	1000	pCi/L		172	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08050730-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104386		06/27/08 08:45		
Lead 210	670	pCi/L		115	70	130	40	30	R
Sample ID: MB-R104386	Method Blank				Run: SUB-C104386		06/27/08 08:45		
Lead 210	-2	pCi/L					U		
Sample ID: LCS-R104386	Laboratory Control Sample				Run: SUB-C104386		06/27/08 08:45		
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M							Batch: C_R104902		
Sample ID: R08050251-003I	Sample Matrix Spike				Run: SUB-C104902			07/03/08 09:50	
Lead 210	1200	pCi/L		105	70	130			
Sample ID: R08050251-003I	Sample Matrix Spike Duplicate				Run: SUB-C104902			07/03/08 09:50	
Lead 210	1000	pCi/L		89	70	130	17	30	
Sample ID: MB-R104902	Method Blank				Run: SUB-C104902			07/03/08 09:50	
Lead 210	1	pCi/L							U
Sample ID: LCS-R104902	Laboratory Control Sample				Run: SUB-C104902			07/03/08 09:50	
Lead 210	61	pCi/L		101	70	130			
Method: RMO-3008							Batch: C_R102444		
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444			06/03/08 17:45	
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008							Batch: C_R103071		
Sample ID: C08051031-005IMS	Sample Matrix Spike				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: C08051031-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071			06/19/08 12:00	
Polonium 210	0.5	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC		Project Name, PWS, Permit, Etc. Powder Mill Perry, Nebraska		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: RESPEC		Contact Name: Corey Foreman		Phone/Fax: respec.com	Email: eric@respec.com	Sampler: (Please Print) Eric Keanre
Invoice Address:		Invoice Contact & Phone:		Purchase Order:		Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC				Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other		
				ANALYSIS REQUESTED		
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	SEE ATTACHED Normal Turnaround (TAT)	
1. DeBurd GW 631		05/19/08	11:06	W	Set 22 12:00	
2. DeBurd GW 13		05/19/08	12:20	W	Set 20 c. 12:00	
3. DeBurd GW 4002		05/19/08	13:00	W	Set 16 pool house	
4.						
5.						
6.						
7.						
8.						
9.						
10.						
Custody Record Eric Keanre		Date/Time: 5/20/08 08:45	Signature: [Signature]	Date/Time: 5-20-08 08:45	Signature: [Signature]	Signature: [Signature]
Signed		Sample Disposal:		Return to Client:		Lab Disposal:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08050321

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08051031

-The LLD for Pb-210 per RG 4.14 is 1 pCi/L. The method used here can achieve an LLD (MDC) of about 5 pCi/L based on a 1.0 L sample size, and this is reported on a sample specific basis.

End of comments imported for SUBBED Workorder: C08051031



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-001
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 05/21/08 11:55
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	182	mg/L		5		1	A2320 B	05/27/08 09:50/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/27/08 09:50/mb
Bicarbonate as HCO ₃	222	mg/L		5		1	A2320 B	05/27/08 09:50/mb
Calcium	31.0	mg/L		0.5		2	E200.7	06/03/08 13:26/el-c
Chloride	12	mg/L		1		1	E300.0	05/23/08 00:52/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/23/08 00:52/jmh
Magnesium	10.9	mg/L		0.5		2	E200.7	06/03/08 13:26/el-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH ₃ G	05/28/08 12:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 00:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 00:52/jmh
Potassium	9.2	mg/L		0.5		2	E200.7	06/03/08 13:26/el-c
Silica	4.7	mg/L		0.5		2	E200.7	06/03/08 13:26/el-c
Sodium	294	mg/L	D	2		2	E200.7	06/03/08 13:26/el-c
Sulfate	505	mg/L	D	3		50	E300.0	05/23/08 00:35/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	05/23/08 16:21/tb
Oxidation-Reduction Potential	120	mV				1	A2580 B	05/23/08 16:00/kh
pH	8.35	s.u.		0.01		1	A4500-H B	05/23/08 14:52/kh
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	05/22/08 15:35/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/el-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/el-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:26/el-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 20:58/el-c
Iron	0.09	mg/L		0.03		2	E200.7	06/03/08 13:26/el-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/el-c
Manganese	0.07	mg/L		0.01		2	E200.7	06/03/08 13:26/el-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/el-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:26/el-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:25/el-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/el-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/el-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-001
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 05/21/08 11:55
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 20:58/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:26/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:07/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	14.3	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	3.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta	9.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	-2.7	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	29.8	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	17.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1.8	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.1	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-001
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 05/21/08 11:55
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	497	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	138	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:09/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:16/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:16/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
Cobalt	0.10	mg/L		0.03		2	E200.7	06/03/08 18:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:00/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:16/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:09/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 18:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.21	%				1	A1030 E	08/09/08 10:00/jmh
Anions	14.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	15.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	984	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	08/09/08 10:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-002
Client Sample ID: DewBurd GW680

Report Date: 08/21/08
Collection Date: 05/21/08 12:50
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	254	mg/L		5		1	A2320 B	05/27/08 09:54/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/27/08 09:54/mb
Bicarbonate as HCO ₃	310	mg/L		5		1	A2320 B	05/27/08 09:54/mb
Calcium	406	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Chloride	12	mg/L		1		1	E300.0	05/23/08 01:25/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/23/08 01:25/jmh
Magnesium	133	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	05/28/08 12:07/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 01:25/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 01:25/jmh
Potassium	19.5	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Sodium	132	mg/L	D	2		2	E200.7	06/03/08 13:43/eli-c
Sulfate	1370	mg/L	D	3		50	E300.0	05/23/08 01:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2860	umhos/cm		5.0		1	A2510 B	05/23/08 16:25/tb
Oxidation-Reduction Potential	160	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.08	s.u.		0.01		1	A4500-H B	05/23/08 14:54/kh
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	05/22/08 15:35/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 21:05/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:05/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:05/eli-c
Iron	0.21	mg/L		0.03		2	E200.7	06/03/08 13:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:05/eli-c
Manganese	0.48	mg/L		0.01		2	E200.7	06/03/08 13:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:05/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:43/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:05/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-002
Client Sample ID: DewBurd GW680

Report Date: 08/21/08
Collection Date: 05/21/08 12:50
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0280	mg/L		0.0003		1	E200.8	06/06/08 21:05/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:43/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:13/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:35/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4500	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	64.8	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	6.9	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta	1530	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	18.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	8.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	61.8	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	35.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	22.9	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1240	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	6.1	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	21000	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	250	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.8	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.86	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	1.0	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 10:37/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-002
Client Sample ID: DewBurd GW680

Report Date: 08/21/08
Collection Date: 05/21/08 12:50
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	359000	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	1160	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:16/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:24/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:24/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:24/eli-c
Cobalt	0.35	mg/L		0.03		2	E200.7	06/03/08 18:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Manganese	0.52	mg/L		0.01		2	E200.7	06/03/08 18:24/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:07/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:24/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:16/eli-c
Strontium	8.2	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Uranium	0.0273	mg/L		0.0003		1	E200.8	06/06/08 18:16/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/03/08 18:24/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.04	%				1	A1030 E	08/09/08 10:00/jmh
Anions	33.9	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	37.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	2240	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	08/09/08 10:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-003
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 05/21/08 14:45
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	180	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Bicarbonate as HCO ₃	219	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Calcium	52.1	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Chloride	11	mg/L		1		1	E300.0	05/23/08 02:30/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/23/08 02:30/jmh
Magnesium	19.4	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	05/28/08 12:11/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 02:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 02:30/jmh
Potassium	8.8	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Sodium	254	mg/L	D	2		2	E200.7	06/03/08 13:51/eli-c
Sulfate	530	mg/L	D	3		50	E300.0	05/23/08 01:41/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1560	umhos/cm		5.0		1	A2510 B	05/23/08 16:26/tb
Oxidation-Reduction Potential	190	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.91	s.u.		0.01		1	A4500-H B	05/23/08 14:55/kh
Sodium Adsorption Ratio (SAR)	7.6	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	05/22/08 15:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/06/08 21:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:12/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/03/08 13:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:12/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/03/08 13:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:51/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-003
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 05/21/08 14:45
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0029	mg/L		0.0003		1	E200.8	06/06/08 21:12/el-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/el-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:51/el-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:34/el-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:37/el-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/el-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	25.6	pCi/L				1	E900.0	06/08/08 04:27/el-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	06/08/08 04:27/el-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	06/08/08 04:27/el-c
Gross Beta	8.0	pCi/L				1	E900.0	06/08/08 04:27/el-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	06/08/08 04:27/el-c
Gross Beta MDC	3.7	pCi/L				1	E900.0	06/08/08 04:27/el-c
Lead 210	3.1	pCi/L	U			1	E909.0M	06/25/08 11:25/el-c
Lead 210 MDC	30.0	pCi/L				1	E909.0M	06/25/08 11:25/el-c
Lead 210 precision (±)	18.0	pCi/L				1	E909.0M	06/25/08 11:25/el-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	06/05/08 17:45/el-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/05/08 17:45/el-c
Radium 226	3.7	pCi/L				1	E903.0	06/09/08 17:24/el-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/09/08 17:24/el-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/el-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/el-c
Gross Gamma	140	pCi/L		20		1	E901.1	05/28/08 05:30/el-c
Gross Gamma precision (±)	29	pCi/L				1	E901.1	05/28/08 05:30/el-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.7	pCi/L	U			1	E909.0M	07/03/08 09:50/el-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/el-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/el-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/el-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	06/19/08 12:00/el-c
Radium 226	-0.2	pCi/L	U			1	E903.0	06/03/08 10:37/el-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 10:37/el-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/el-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-003
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 05/21/08 14:45
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2090	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	155	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:22/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:22/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:29/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:29/eli-c
Cobalt	0.12	mg/L		0.03		2	E200.7	06/03/08 18:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/03/08 18:29/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:09/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:29/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:22/eli-c
Strontium	1.0	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	06/06/08 18:22/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 18:29/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.68	%				1	A1030 E	08/09/08 10:00/jmh
Anions	15.0	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	15.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	996	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	0.920					1	A1030 E	08/09/08 10:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-004
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 05/21/08 15:54
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	192	mg/L		5		1	A2320 B	05/27/08 10:05/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/08 10:05/mb
Bicarbonate as HCO3	234	mg/L		5		1	A2320 B	05/27/08 10:05/mb
Calcium	103	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Chloride	9	mg/L		1		1	E300.0	05/23/08 03:36/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	05/23/08 03:36/jmh
Magnesium	38.6	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/28/08 12:14/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 03:36/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 03:36/jmh
Potassium	13.1	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Silica	4.7	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Sodium	180	mg/L	D	2		2	E200.7	06/03/08 13:55/eli-c
Sulfate	493	mg/L	D	3		50	E300.0	05/23/08 02:47/jmh
HYSICAL PROPERTIES								
Conductivity @ 25 C	1550	umhos/cm		5.0		1	A2510 B	05/23/08 16:27/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.54	s.u.		0.01		1	A4500-H B	05/23/08 14:56/kh
Sodium Adsorption Ratio (SAR)	3.8	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	970	mg/L		5		1	A2540 C	05/22/08 15:37/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 21:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:18/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/03/08 13:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:18/eli-c
Manganese	0.16	mg/L		0.01		2	E200.7	06/03/08 13:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:18/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:55/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:18/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-004
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 05/21/08 15:54
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0006	mg/L		0.0003		1	E200.8	06/06/08 21:18/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:39/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:39/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	10.6	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta	12.5	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	-2.3	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	29.0	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	17.2	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	0.6	pCi/L	U	10		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.90	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1.9	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.4	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/29/08 15:00/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-004
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 05/21/08 15:54
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	619	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	135	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:29/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:29/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:33/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:33/eli-c
Cobalt	0.16	mg/L		0.03		2	E200.7	06/03/08 18:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Manganese	0.17	mg/L		0.01		2	E200.7	06/03/08 18:33/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:16/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:33/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:29/eli-c
Strontium	3.0	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	06/06/08 18:29/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 18:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.92	%				1	A1030 E	08/09/08 10:00/jmh
Anions	14.4	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	16.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	965	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	08/09/08 10:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 05/21/08 16:44
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	168	mg/L		5		1	A2320 B	05/27/08 10:07/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/27/08 10:07/mb
Bicarbonate as HCO ₃	205	mg/L		5		1	A2320 B	05/27/08 10:07/mb
Calcium	52.8	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Chloride	8	mg/L		1		1	E300.0	05/23/08 04:09/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/23/08 04:09/jmh
Magnesium	18.0	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH ₃ G	05/28/08 12:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 04:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 04:09/jmh
Potassium	8.5	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Sodium	216	mg/L	D	2		2	E200.7	06/03/08 13:59/eli-c
Sulfate	456	mg/L	D	3		50	E300.0	05/23/08 03:52/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	05/23/08 16:28/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.90	s.u.		0.01		1	A4500-H B	05/23/08 14:57/kh
Sodium Adsorption Ratio (SAR)	6.5	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	05/22/08 15:37/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 21:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:25/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/03/08 13:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:25/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	06/03/08 13:59/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:25/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:59/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:25/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 05/21/08 16:44
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 21:25/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:59/eli-c
METALS - SUSPENDED								
Uranium	0.0007	mg/L		0.0003		1	E200.8	06/07/08 22:45/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.1	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	2.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	2.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta	5.4	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	-4.3	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	28.2	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	16.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1.1	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.81	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	3.8	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/29/08 15:00/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 05/21/08 16:44
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	570	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	134	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:36/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:49/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:36/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:49/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:49/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/03/08 18:49/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	06/03/08 18:49/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:19/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:49/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:36/eli-c
Strontium	1.2	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 18:36/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/03/08 18:49/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.35	%				1	A1030 E	08/09/08 10:00/jmh
Anions	13.1	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	13.7	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	873	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	0.910					1	A1030 E	08/09/08 10:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B			Batch: 080527A-ALK-SEL-W						
Sample ID: LCS1_080527A	Laboratory Control Sample				Run: PH_COND1-R_080527A		05/27/08 09:44		
Alkalinity, Total as CaCO ₃	968	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080527A	Method Blank				Run: PH_COND1-R_080527A		05/27/08 09:46		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Method: A2510 B			Batch: 080523_1_COND-PROBE-W						
Sample ID: LCS1_COND-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B		05/23/08 15:55		
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B		05/23/08 15:56		
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B		05/23/08 15:57		
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523B		05/23/08 16:24		
Conductivity @ 25 C	1460	umhos/cm	5.0				2.8	10	
Method: A2540 C			Batch: 080522A-SLDS-TDS-W						
Sample ID: LCS1_080522A	Laboratory Control Sample				Run: BAL-4-R_080523A		05/22/08 15:25		
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	107	90	110			
Sample ID: MBLK1_080522A	Method Blank				Run: BAL-4-R_080523A		05/22/08 15:26		
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08050307-001BMS	Sample Matrix Spike				Run: BAL-4-R_080523A		05/23/08 00:00		
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	120	80	120			
Sample ID: R08050307-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080523A		05/23/08 00:00		
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	119	80	120	0.1	10	
Sample ID: R08050321-005AMS	Sample Matrix Spike				Run: BAL-4-R_080523A		05/22/08 15:38		
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	113	80	120			
Sample ID: R08050321-005AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080523A		05/22/08 15:38		
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	109	80	120	0.8	10	

Qualifiers:

- - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080803A		
Sample ID: MBLK Selenium-IV	Method Blank ND	mg/L	6E-05			Run: SUB-C102059			06/03/08 11:03
Sample ID: 288-81-1 Selenium-IV	Laboratory Control Sample 0.051	mg/L	0.0010	101	90	110			06/03/08 11:05
Sample ID: R08050321-005E Selenium-IV	Sample Matrix Spike 0.046	mg/L	0.0010	92	85	115			06/03/08 11:43
Sample ID: R08050321-005E Selenium-IV	Sample Matrix Spike Duplicate 0.047	mg/L	0.0010	94	85	115	1.7	10	06/03/08 11:45
Method: A3114 B							Batch: C_SE3114-080803B		
Sample ID: MBLK Selenium	Method Blank ND	mg/L	6E-05			Run: SUB-C102093			06/03/08 15:00
Sample ID: 288-81-1 Selenium	Laboratory Control Sample 0.051	mg/L	0.0010	101	90	110			06/03/08 15:02
Sample ID: R08050321-005E Selenium	Sample Matrix Spike 0.045	mg/L	0.0010	91	85	115			06/03/08 15:36
Sample ID: R08050321-005E Selenium	Sample Matrix Spike Duplicate 0.045	mg/L	0.0010	90	85	115	0.3	10	06/03/08 15:38
Method: A4500-H B							Batch: 080523_1_PH-W		
Sample ID: LCS_pH-1_080523 pH	Laboratory Control Sample 6.92	s.u.	0.010	101	98.55	101.45			05/23/08 14:21
Sample ID: R08050321-001ADUP pH	Sample Duplicate 8.34	s.u.	0.010			Run: PH_COND2-R_080523A	0.1	1.25	05/23/08 14:53

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G					Batch: A2008-05-28_2_NH3_01				
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080528A				05/28/08 10:35
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080528A				05/28/08 10:36
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080528A				05/28/08 10:38
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08050307-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080528A				05/28/08 12:00
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	80	120			
Sample ID: R08050307-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080528A				05/28/08 12:02
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	80	120	5.6	10	
Sample ID: R08050321-003BMS	Sample Matrix Spike				Run: TECHAA2-R_080528A				05/28/08 12:12
Nitrogen, Ammonia as N	0.39	mg/L	0.10	98	80	120			
Sample ID: R08050321-003BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080528A				05/28/08 12:13
Nitrogen, Ammonia as N	0.40	mg/L	0.10	98	80	120	0.3	10	
Method: D5072-92					Batch: C_R101920				
Sample ID: R08050321-005G	Sample Duplicate				Run: SUB-C101920				05/29/08 13:01
Radon 222	525	pCi/L	100				8.2	30	
Sample ID: MB-R101920	Method Blank				Run: SUB-C101920				05/29/08 13:01
Radon 222	20	pCi/L						U	
Sample ID: LCS-R101920	Laboratory Control Sample				Run: SUB-C101920				05/29/08 13:01
Radon 222	301	pCi/L	100	93	70	130			

Qualifiers:

L - Analyte reporting limit.
U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7					Batch: C_18693				
Sample ID: MB-18693	Method Blank		Run: SUB-C102127				06/03/08 18:04		
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.006	mg/L	0.001						
Sample ID: LCS3-18693	Laboratory Control Sample		Run: SUB-C102127				06/03/08 18:08		
Barium	0.526	mg/L	0.10	105	85	115			
Boron	0.548	mg/L	0.10	110	85	115			
Chromium	0.532	mg/L	0.050	106	85	115			
Copper	0.534	mg/L	0.010	107	85	115			
Iron	5.61	mg/L	0.030	112	85	115			
Manganese	2.67	mg/L	0.010	107	85	115			
Molybdenum	0.529	mg/L	0.10	106	85	115			
Nickel	0.525	mg/L	0.050	105	85	115			
Strontium	0.545	mg/L	0.10	109	85	115			
Zinc	0.539	mg/L	0.010	107	85	115			
Sample ID: R08050321-005D	Sample Matrix Spike		Run: SUB-C102127				06/03/08 18:53		
Barium	0.559	mg/L	0.10	107	70	130			
Boron	0.602	mg/L	0.10	107	70	130			
Chromium	0.533	mg/L	0.050	107	70	130			
Copper	0.547	mg/L	0.010	109	70	130			
Iron	5.53	mg/L	0.030	110	70	130			
Manganese	2.78	mg/L	0.010	109	70	130			
Molybdenum	0.536	mg/L	0.10	107	70	130			
Nickel	0.542	mg/L	0.050	108	70	130			
Strontium	1.74	mg/L	0.10	100	70	130			
Zinc	0.544	mg/L	0.010	107	70	130			
Sample ID: R08050321-005D	Sample Matrix Spike Duplicate		Run: SUB-C102127				06/03/08 18:57		
Barium	0.551	mg/L	0.10	105	70	130	1.5	20	
Boron	0.614	mg/L	0.10	109	70	130	2.0	20	
Chromium	0.531	mg/L	0.050	106	70	130	0.3	20	
Copper	0.539	mg/L	0.010	108	70	130	1.5	20	
Iron	5.50	mg/L	0.030	109	70	130	0.6	20	
Manganese	2.75	mg/L	0.010	107	70	130	1.1	20	
Molybdenum	0.539	mg/L	0.10	108	70	130	0.7	20	

Qualifiers:

ND - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18693
Sample ID: R08050321-005D	Sample Matrix Spike Duplicate				Run: SUB-C102127			06/03/08 18:57	
Nickel	0.541	mg/L	0.050	108	70	130	0.2	20	
Strontium	1.72	mg/L	0.10	96	70	130	1.2	20	
Zinc	0.544	mg/L	0.010	107	70	130	0.1	20	
Sample ID: R08050321-005D	Sample Matrix Spike				Run: SUB-C102628			06/12/08 21:43	
Barium	0.536	mg/L	0.10	102	70	130			
Boron	0.573	mg/L	0.10	105	70	130			
Chromium	0.518	mg/L	0.050	104	70	130			
Copper	0.521	mg/L	0.010	104	70	130			
Iron	5.55	mg/L	0.030	110	70	130			
Manganese	2.65	mg/L	0.010	104	70	130			
Molybdenum	0.516	mg/L	0.10	103	70	130			
Nickel	0.507	mg/L	0.050	101	70	130			
Strontium	1.67	mg/L	0.10	99	70	130			
Zinc	0.523	mg/L	0.010	104	70	130			
Sample ID: R08050321-005D	Sample Matrix Spike Duplicate				Run: SUB-C102628			06/12/08 21:47	
Barium	0.550	mg/L	0.10	105	70	130	2.6	20	
Boron	0.584	mg/L	0.10	107	70	130	1.9	20	
Chromium	0.526	mg/L	0.050	105	70	130	1.5	20	
Copper	0.529	mg/L	0.010	106	70	130	1.5	20	
Iron	5.49	mg/L	0.030	108	70	130	1.1	20	
Manganese	2.69	mg/L	0.010	105	70	130	1.6	20	
Molybdenum	0.528	mg/L	0.10	106	70	130	2.3	20	
Nickel	0.517	mg/L	0.050	103	70	130	2.0	20	
Strontium	1.70	mg/L	0.10	106	70	130	2.0	20	
Zinc	0.533	mg/L	0.010	106	70	130	1.9	20	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/21/08

Project: Edgemont

Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102127		
Sample ID: MB-080603A	Method Blank		Run: SUB-C102127				06/03/08 12:29		
Silica	ND	mg/L		0.02					
Aluminum	ND	mg/L		0.004					
Barium	ND	mg/L		0.006					
Boron	0.02	mg/L		0.008					
Calcium	ND	mg/L		0.1					
Chromium	ND	mg/L		0.002					
Iron	ND	mg/L		0.005					
Magnesium	ND	mg/L		0.04					
Manganese	ND	mg/L		0.0003					
Molybdenum	ND	mg/L		0.003					
Nickel	ND	mg/L		0.004					
Potassium	ND	mg/L		0.02					
Sodium	ND	mg/L		0.8					
Vanadium	0.03	mg/L		0.003					
Zinc	ND	mg/L		0.002					
Sample ID: LFB-080603A	Laboratory Fortified Blank		Run: SUB-C102127				06/03/08 12:33		
Silica	0.38	mg/L	0.10	94	85	125			
Aluminum	0.94	mg/L	0.10	94	85	125			
Barium	0.99	mg/L	0.10	99	85	125			
Boron	1.0	mg/L	0.10	99	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	109	85	125			
Magnesium	53	mg/L	0.50	106	85	125			
Manganese	1.0	mg/L	0.010	101	85	125			
Molybdenum	0.97	mg/L	0.10	97	85	125			
Nickel	1.0	mg/L	0.050	101	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	49	mg/L	0.77	99	85	125			
Vanadium	1.1	mg/L	0.10	107	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: C08051031-001CMS2	Sample Matrix Spike		Run: SUB-C102127				06/03/08 13:35		
Aluminum	1.98	mg/L	0.10	97	70	130			
Barium	2.02	mg/L	0.10	99	70	130			
Boron	2.11	mg/L	0.10	99	70	130			
Chromium	2.06	mg/L	0.050	101	70	130			
Iron	2.22	mg/L	0.030	105	70	130			
Manganese	2.12	mg/L	0.010	101	70	130			
Molybdenum	1.96	mg/L	0.10	96	70	130			
Nickel	2.04	mg/L	0.050	100	70	130			
Vanadium	2.16	mg/L	0.10	103	70	130			

Qualifiers:

.L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/21/08

Project: Edgemont

Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102127		
Sample ID: C08051031-001CMS2	Sample Matrix Spike		Run: SUB-C102127				06/03/08 13:35		
Zinc	2.10	mg/L	0.010	102	70	130			
Calcium	137	mg/L	1.0	104	70	130			
Magnesium	120	mg/L	1.0	107	70	130			
Potassium	101	mg/L	1.0	90	70	130			
Silica	5.53	mg/L	0.10		70	130			A
Sodium	386	mg/L	1.5	90	70	130			
Sample ID: C08051031-001CMSD2	Sample Matrix Spike Duplicate		Run: SUB-C102127				06/03/08 13:39		
Aluminum	1.93	mg/L	0.10	95	70	130	2.6	20	
Barium	1.98	mg/L	0.10	96	70	130	2.1	20	
Boron	2.07	mg/L	0.10	97	70	130	2.0	20	
Chromium	2.01	mg/L	0.050	99	70	130	2.4	20	
Iron	2.21	mg/L	0.030	104	70	130	0.5	20	
Manganese	2.07	mg/L	0.010	98	70	130	2.3	20	
Molybdenum	1.91	mg/L	0.10	94	70	130	2.3	20	
Nickel	2.01	mg/L	0.050	98	70	130	1.7	20	
Vanadium	2.11	mg/L	0.10	101	70	130	2.5	20	
Zinc	2.02	mg/L	0.010	99	70	130	3.7	20	
Calcium	134	mg/L	1.0	101	70	130	2.4	20	
Magnesium	116	mg/L	1.0	103	70	130	3.1	20	
Potassium	99.6	mg/L	1.0	89	70	130	1.3	20	
Silica	5.40	mg/L	0.10		70	130	2.5	20	A
Sodium	381	mg/L	1.5	86	70	130	1.2	20	
Sample ID: C08051053-001AMS2	Sample Matrix Spike		Run: SUB-C102127				06/03/08 16:39		
Aluminum	0.997	mg/L	0.10	98	70	130			
Barium	1.04	mg/L	0.10	99	70	130			
Boron	1.02	mg/L	0.10	97	70	130			
Calcium	95.0	mg/L	0.50	100	70	130			
Chromium	1.03	mg/L	0.050	101	70	130			
Iron	1.05	mg/L	0.030	103	70	130			
Magnesium	79.8	mg/L	0.50	103	70	130			
Manganese	1.03	mg/L	0.010	101	70	130			
Molybdenum	0.867	mg/L	0.10	85	70	130			
Nickel	1.01	mg/L	0.050	99	70	130			
Potassium	48.0	mg/L	0.50	87	70	130			
Sodium	77.3	mg/L	0.77	95	70	130			
Vanadium	1.14	mg/L	0.10	105	70	130			
Zinc	1.03	mg/L	0.010	100	70	130			
Sample ID: C08051053-001AMS2	Sample Matrix Spike Duplicate		Run: SUB-C102127				06/03/08 16:43		
Aluminum	1.01	mg/L	0.10	99	70	130	1.3	20	
Barium	1.05	mg/L	0.10	100	70	130	1.2	20	

Qualifiers:

L - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102127		
Sample ID: C08051053-001AMSD2	Sample Matrix Spike Duplicate			Run: SUB-C102127			06/03/08 16:43		
Boron	1.03	mg/L	0.10	98	70	130	0.4	20	
Calcium	93.8	mg/L	0.50	98	70	130	1.2	20	
Chromium	1.04	mg/L	0.050	101	70	130	0.6	20	
Iron	1.08	mg/L	0.030	106	70	130	2.6	20	
Magnesium	80.2	mg/L	0.50	103	70	130	0.5	20	
Manganese	1.03	mg/L	0.010	100	70	130	0.4	20	
Molybdenum	0.924	mg/L	0.10	91	70	130	6.4	20	
Nickel	1.01	mg/L	0.050	99	70	130	0.1	20	
Potassium	48.6	mg/L	0.50	88	70	130	1.1	20	
Sodium	78.1	mg/L	0.77	97	70	130	1.0	20	
Vanadium	1.12	mg/L	0.10	103	70	130	1.8	20	
Zinc	1.03	mg/L	0.010	100	70	130	0.2	20	
Method: E200.8							Batch: C_18688		
Sample ID: C08050953-001FMS	Sample Matrix Spike			Run: SUB-C102315			06/07/08 18:31		
Uranium	0.0132	mg/L	0.00030	97	70	130			
Sample ID: C08050953-001FMSD	Sample Matrix Spike Duplicate			Run: SUB-C102315			06/07/08 18:36		
Uranium	0.0133	mg/L	0.00030	98	70	130	0.8	20	
Sample ID: R08050321-005I	Post Digestion Spike			Run: SUB-C102315			06/07/08 22:50		
Uranium	0.0128	mg/L	0.00030	97	70	130			
Sample ID: R08050321-005I	Post Digestion Spike Duplicate			Run: SUB-C102315			06/07/08 22:55		
Uranium	0.0129	mg/L	0.00030	98	70	130	0.7	20	

Qualifiers:

- - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18768		
Sample ID: MB-18768	Method Blank		Run: SUB-C102298				06/06/08 16:00		
Antimony	ND	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0001	mg/L	5E-05						
Thallium	0.0001	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18768	Laboratory Control Sample		Run: SUB-C102298				06/06/08 16:07		
Antimony	0.580	mg/L	0.050	116	85	115			
Arsenic	0.562	mg/L	0.0010	112	85	115			
Cadmium	0.275	mg/L	0.010	110	85	115			
Lead	0.568	mg/L	0.050	114	85	115			
Selenium	0.569	mg/L	0.0020	114	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thallium	0.564	mg/L	0.10	113	85	115			
Sample ID: C08051073-001MMS3	Sample Matrix Spike		Run: SUB-C102298				06/06/08 18:56		
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.536	mg/L	0.0010	107	70	130			
Cadmium	0.263	mg/L	0.010	105	70	130			
Lead	0.529	mg/L	0.050	105	70	130			
Selenium	0.527	mg/L	0.0020	104	70	130			
Silver	0.0433	mg/L	0.010	87	70	130			
Thallium	0.519	mg/L	0.10	104	70	130			
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate		Run: SUB-C102298				06/06/08 19:23		
Antimony	0.539	mg/L	0.050	108	70	130	0.2	20	
Arsenic	0.535	mg/L	0.0010	106	70	130	0.2	20	
Cadmium	0.264	mg/L	0.010	106	70	130	0.4	20	
Lead	0.529	mg/L	0.050	105	70	130	0.1	20	
Selenium	0.534	mg/L	0.0020	105	70	130	1.3	20	
Silver	0.0451	mg/L	0.010	90	70	130	4.0	20	
Thallium	0.522	mg/L	0.10	104	70	130	0.5	20	
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	
Sample ID: LCS3-18768	Laboratory Control Sample		Run: SUB-C102315				06/07/08 12:11		
Arsenic	0.519	mg/L	0.0010	104	85	115			
Lead	0.509	mg/L	0.050	102	85	115			
Selenium	0.519	mg/L	0.0020	104	85	115			
Uranium	0.519	mg/L	0.00032	104	85	115			

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R102298		
Sample ID: LRB	Method Blank		Run: SUB-C102298				06/06/08 13:52		
Arsenic	9E-05	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	8E-05	mg/L	4E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C102298				06/06/08 13:58		
Arsenic	0.0543	mg/L	0.0010	108	85	115			
Cadmium	0.0527	mg/L	0.0010	105	85	115			
Copper	0.0539	mg/L	0.0010	108	85	115			
Lead	0.0537	mg/L	0.0010	107	85	115			
Mercury	0.00538	mg/L	0.0010	108	85	115			
Silver	0.0209	mg/L	0.0010	104	85	115			
Thorium 232	0.0540	mg/L	0.0010	108	85	115			
Uranium	0.0538	mg/L	0.00030	108	85	115			
Sample ID: C08051031-005CMS4	Post Digestion Spike		Run: SUB-C102298				06/06/08 21:32		
Arsenic	0.0538	mg/L	0.0010	104	70	130			
Cadmium	0.0483	mg/L	0.010	97	70	130			
Copper	0.0485	mg/L	0.010	96	70	130			
Lead	0.0532	mg/L	0.050	106	70	130			
Mercury	0.00536	mg/L	0.0010	107	70	130			
Silver	0.0128	mg/L	0.010	64	70	130			S
Thorium 232	0.0547	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Sample ID: C08051031-005CMS4	Post Digestion Spike Duplicate		Run: SUB-C102298				06/06/08 21:39		
Arsenic	0.0524	mg/L	0.0010	102	70	130	2.5	20	
Cadmium	0.0487	mg/L	0.010	97	70	130	0.8	20	
Copper	0.0486	mg/L	0.010	96	70	130	0.2	20	
Lead	0.0526	mg/L	0.050	105	70	130	1.1	20	
Mercury	0.00539	mg/L	0.0010	108	70	130	0.6	20	
Silver	0.0133	mg/L	0.010	67	70	130	3.8	20	S
Thorium 232	0.0550	mg/L	0.0010	110	70	130	0.5	20	
Uranium	0.0548	mg/L	0.00030	109	70	130	0.7	20	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: C_B_32817		
Sample ID: MB-32817	Method Blank				Run: SUB-C102258			06/04/08 21:47	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32817	Laboratory Fortified Blank				Run: SUB-C102258			06/04/08 21:49	
Mercury	0.0019	mg/L	0.0010	97	85	115			
Sample ID: R08050321-001D	Sample Matrix Spike				Run: SUB-C102258			06/04/08 22:02	
Mercury	0.0020	mg/L	0.0010	98	70	130			
Sample ID: R08050321-001D	Sample Matrix Spike Duplicate				Run: SUB-C102258			06/04/08 22:05	
Mercury	0.0021	mg/L	0.0010	103	70	130	5.5	30	
Method: E245.1							Analytical Run: SUB-C102258		
Sample ID: QCS	Initial Calibration Verification Standard							06/04/08 17:50	
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

- - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R34940		
Sample ID: LFB0805225816-3	Laboratory Fortified Blank			Run: DIONEX_080522A			05/22/08 18:18		
Chloride	4.63	mg/L	0.50	93	90	110			
Fluoride	1.78	mg/L	0.10	89	90	110			S
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.37	mg/L	0.10	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0805225816-4	Laboratory Fortified Blank			Run: DIONEX_080522A			05/22/08 18:34		
Chloride	4.76	mg/L	0.50	95	90	110			
Fluoride	1.84	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: R08050285-001AMS	Sample Matrix Spike			Run: DIONEX_080522A			05/22/08 22:57		
Chloride	596	mg/L	5.4	98	80	120			
Fluoride	93.8	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	122	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	123	mg/L	2.9	95	80	120			
Sulfate	964	mg/L	3.4	87	80	120			
Sample ID: R08050285-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080522A			05/22/08 23:13		
Chloride	576	mg/L	5.4	90	80	120	3.4	10	
Fluoride	90.6	mg/L	0.56	84	80	120	3.5	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	88	80	120	4.0	10	
Nitrogen, Nitrite as N	119	mg/L	2.9	91	80	120	3.6	10	
Sulfate	934	mg/L	3.4	83	80	120	3.2	10	
Sample ID: R08050321-004AMS	Sample Matrix Spike			Run: DIONEX_080522A			05/23/08 03:03		
Chloride	247	mg/L	5.4	90	80	120			
Fluoride	92.8	mg/L	0.56	86	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	122	mg/L	2.9	98	80	120			
Sulfate	1140	mg/L	3.4	86	80	120			
Sample ID: R08050321-004AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080522A			05/23/08 03:19		
Chloride	238	mg/L	5.4	86	80	120	3.7	10	
Fluoride	89.0	mg/L	0.56	82	80	120	4.2	10	
Nitrogen, Nitrate as N	113	mg/L	1.3	91	80	120	4.9	10	
Nitrogen, Nitrite as N	117	mg/L	2.9	94	80	120	4.1	10	
Sulfate	1120	mg/L	3.4	83	80	120	1.4	10	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0455		
Sample ID: MB-GrAB-0455	Method Blank				Run: SUB-C102338			06/07/08 04:24	
Gross Alpha	0.6	pCi/L							U
Gross Beta	-0.6	pCi/L							U
Sample ID: Th230-GrAB-0455	Laboratory Control Sample				Run: SUB-C102338			06/07/08 04:24	
Gross Alpha	150	pCi/L		110	70	130			
Sample ID: Cs137-GrAB-0455	Laboratory Control Sample				Run: SUB-C102338			06/07/08 04:24	
Gross Beta	88	pCi/L		94	70	130			
Sample ID: C08050619-001AMS	Sample Matrix Spike				Run: SUB-C102338			06/07/08 04:24	
Gross Alpha	92	pCi/L		65	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08050619-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102338			06/07/08 04:24	
Gross Alpha	87	pCi/L		62	70	130	5.7	20.1	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08050619-001AMS	Sample Matrix Spike				Run: SUB-C102338			06/07/08 04:24	
Gross Beta	94	pCi/L		98	70	130			
Sample ID: C08050619-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102338			06/07/08 04:24	
Gross Beta	91	pCi/L		95	70	130	2.8	15.9	
Method: E901.1							Batch: C_R101877		
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877			05/28/08 05:30	
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L							U
Sample ID: R08050321-005H	Sample Duplicate				Run: SUB-C101877			05/28/08 05:30	
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

- - Analyte reporting limit.
S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18688		
Sample ID: C08050913-001IMS Radium 226	Sample Matrix Spike 77	pCi/L		98	70	130			06/03/08 08:59
Sample ID: C08050913-001IMSD Radium 226	Sample Matrix Spike Duplicate 72	pCi/L		91	70	130	7.4	25.5	06/03/08 08:59
Sample ID: MB-18688 Radium 226	Method Blank -0.4	pCi/L				Run: SUB-C102137			06/03/08 10:37 U
Sample ID: LCS-18688 Radium 226	Laboratory Control Sample 15	pCi/L		99	70	130			06/03/08 10:37
Method: E903.0							Batch: C_RA226-2839		
Sample ID: C08051073-001AMS Radium 226	Sample Matrix Spike 6.7	pCi/L		83	70	130			06/09/08 17:25
Sample ID: C08051073-001AMSD Radium 226	Sample Matrix Spike Duplicate 6.9	pCi/L		85	70	130	2.8	23.9	06/09/08 17:25
Sample ID: MB-RA226-2839 Radium 226	Method Blank -0.08	pCi/L				Run: SUB-C102434			06/10/08 09:17 U
Sample ID: LCS-RA226-2839 Radium 226	Laboratory Control Sample 7.1	pCi/L		90	70	130			06/10/08 09:17
Method: E907.0							Batch: C_18688		
Sample ID: R08050321-001I Thorium 230	Sample Matrix Spike 20.6	pCi/L	0.20	88	70	130			05/29/08 15:00
Sample ID: R08050321-001I Thorium 230	Sample Matrix Spike Duplicate 22.8	pCi/L	0.20	102	70	130	10	30	05/29/08 15:00
Sample ID: LCS-18688 Thorium 230	Laboratory Control Sample 51.0	pCi/L	0.20	107	70	130			05/29/08 15:00
Sample ID: MB-18688 Thorium 230	Method Blank -0.2	pCi/L				Run: SUB-C102353			05/29/08 15:00 U

Qualifiers:

L - Analyte reporting limit.
U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_R102575		
Sample ID: LCS-R102575	Laboratory Control Sample				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	6.60	pCi/L	0.20	94	70	130			
Sample ID: R08050321-004H	Sample Matrix Spike				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	15.5	pCi/L	0.20	96	70	130			
Sample ID: R08050321-004H	Sample Matrix Spike Duplicate				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	13.9	pCi/L	0.20	85	70	130	11	30	
Sample ID: MB-R102575	Method Blank				Run: SUB-C102575		06/04/08 10:00		
Thorium 230	ND	pCi/L							U
Method: E909.0M							Batch: C_R104902		
Sample ID: C08050913-003IMS	Sample Matrix Spike				Run: SUB-C104902		07/03/08 09:50		
Lead 210	1200	pCi/L		105	70	130			
Sample ID: C08050913-003IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104902		07/03/08 09:50		
Lead 210	1000	pCi/L		89	70	130	17	30	
Sample ID: MB-R104902	Method Blank				Run: SUB-C104902		07/03/08 09:50		
Lead 210	1	pCi/L							U
Sample ID: LCS-R104902	Laboratory Control Sample				Run: SUB-C104902		07/03/08 09:50		
Lead 210	61	pCi/L		101	70	130			
Method: E909.0M							Batch: C_R105446		
Sample ID: C08050919-002HMS	Sample Matrix Spike				Run: SUB-C105446		06/25/08 11:25		
Lead 210	550	pCi/L		92	70	130			
Sample ID: C08050919-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105446		06/25/08 11:25		
Lead 210	420	pCi/L		71	70	130	26	30	
Sample ID: R08050321-002H	Sample Duplicate				Run: SUB-C105446		06/25/08 11:25		
Lead 210	80	pCi/L					25	30	
Sample ID: MB-R105446	Method Blank				Run: SUB-C105446		06/25/08 11:25		
Lead 210	ND	pCi/L							U
Sample ID: LCS-R105446	Laboratory Control Sample				Run: SUB-C105446		06/25/08 11:25		
Lead 210	140	pCi/L		115	70	130			

Qualifiers:

- - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R102463		
Sample ID: R08050321-001H	Sample Matrix Spike				Run: SUB-C102463		06/05/08 17:45		
Polonium 210	85	pCi/L	1.0	98	70	130			
Sample ID: R08050321-001H	Sample Matrix Spike Duplicate				Run: SUB-C102463		06/05/08 17:45		
Polonium 210	87	pCi/L	1.0	100	70	130	1.6	30	
Sample ID: LCS-R102463	Laboratory Control Sample				Run: SUB-C102463		06/05/08 17:45		
Polonium 210	42	pCi/L	1.0	96	70	130			
Sample ID: MB-R102463	Method Blank				Run: SUB-C102463		06/05/08 17:45		
Polonium 210	ND	pCi/L							U
Method: RMO-3008							Batch: C_R103071		
Sample ID: R08050321-005I	Sample Matrix Spike				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: R08050321-005I	Sample Matrix Spike Duplicate				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071		06/19/08 12:00		
Polonium 210	0.5	pCi/L							U

Qualifiers:

- - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

Company Name: RESPEC		Project Name, PWS, Permit, Etc. Power Tech Dewey Burdock		Sample Origin State: SD		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: RESPEC		Contact Name: Cory Foreman		Email: cory.foreman@respec.com		Sampler: (Please Print) Eric Krantz	
Invoice Address:		Invoice Contact & Phone: cory.foreman@respec.com		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats - ELL must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: <input type="checkbox"/> Other: <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		ANALYSIS REQUESTED As per note		SEE ATTACHED R U S H		Contact ELL prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: All groundwater	
Number of Containers Sample Type: A W S V B O Vegetation Bioassay Other		MATRIX		Shipped by:		Receipt Temp 5.2 °C	
1 Dew Burd GW 696		W		On Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Bklt:	
2 Dew Burd GW 680		W		Custody Seal Y N		Intact Y N	
3 Dew Burd GW 695		W		Signature Match Y N		Signature Match Y N	
4 Dew Burd GW 694		W		Set 30/08-15-3		Set 29/08-11c	
5 Dew Burd GW 697		W		Set 26/07-32-13		Set 28/08-15-02	
6		W		Set 19/08-32-12		Set 19/08-32-12	
7							
8							
9							
10							
Custody Record MUST be Signed		Signature: Eric Krantz Date/Time: 5/22/08 0920		Signature: Steve Frailand Date/Time: 5-22-08 9:20		Signature: Steve Frailand Date/Time: 5-22-08 9:20	
Sample Disposal:		Return to Client:		Received by Laboratory:		Date/Time:	
Lab Disposal:							

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.enrgvlab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

July 30, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050406

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 6 samples from RESPEC Inc on 5/29/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050406-001	DewBurd GW698	05/28/08 12:35	05/29/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050406-002	DewBurd GW698	05/28/08 12:45	05/29/08	Aqueous	Same As Above
R08050406-003	DewBurd GW3026	05/28/08 15:15	05/29/08	Aqueous	Same As Above
R08050406-004	DewBurd GW622	05/28/08 18:26	05/29/08	Aqueous	Same As Above
R08050406-005	DewBurd GW615	05/28/08 19:20	05/29/08	Aqueous	Same As Above
R08050406-006	DewBurd GW689	05/28/08 22:25	05/29/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-001
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:35
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	114	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Bicarbonate as HCO3	139	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Calcium	382	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Chloride	9	mg/L		1		1	E300.0	05/29/08 14:09/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/29/08 14:09/jmh
Magnesium	137	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:00/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:09/jmh
Potassium	15.5	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Silica	5.2	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Sodium	88	mg/L	D	2		2	E200.7	06/16/08 17:03/eli-c
Sulfate	1270	mg/L	D	3		50	E300.0	05/29/08 13:20/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2280	umhos/cm		5.0		1	A2510 B	05/29/08 15:14/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	6.78	s.u.		0.01		1	A4500-H B	05/29/08 14:20/tb
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	05/30/08 11:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 02:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:03/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:25/eli-c
Iron	1.69	mg/L		0.03		2	E200.7	06/16/08 17:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:25/eli-c
Manganese	2.31	mg/L		0.01		1	E200.8	06/24/08 12:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:25/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:03/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 12:31/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-001
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:35
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
METALS - DISSOLVED									
Thorium 232	ND	mg/L		0.005			1	E200.8	06/23/08 02:25/eli-c
Uranium	0.101	mg/L		0.0003			1	E200.8	06/23/08 02:25/eli-c
Vanadium	ND	mg/L		0.1			2	E200.7	06/16/08 17:03/eli-c
Zinc	ND	mg/L		0.01			2	E200.7	06/16/08 17:03/eli-c
METALS - SUSPENDED									
Uranium	0.0038	mg/L		0.0003			1	E200.8	06/26/08 00:28/eli-c
METALS - SPECIATED									
Selenium-IV	ND	mg/L		0.001			1	A3114 B	06/20/08 10:13/eli-c
Selenium-VI	ND	mg/L		0.001			1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED									
Gross Alpha	1210	pCi/L					1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	33.2	pCi/L					1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	6.1	pCi/L					1	E900.0	06/26/08 11:24/eli-c
Gross Beta	380	pCi/L					1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	9.9	pCi/L					1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	8.5	pCi/L					1	E900.0	06/26/08 11:24/eli-c
Lead 210	5.5	pCi/L	U				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L					1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.0	pCi/L					1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0			1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L					1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	413	pCi/L					1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	3.7	pCi/L					1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2			1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L					1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	4100	pCi/L		20			1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	150	pCi/L					1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED									
Lead 210	2.6	pCi/L	U				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.6	pCi/L					1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L					1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	1.4	pCi/L		1.0			1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	1.0	pCi/L					1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	14.0	pCi/L					1	E903.0	06/17/08 09:14/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-001
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:35
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.3	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	25600	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	164	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:14/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 02:14/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 21:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:14/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:14/eli-c
Iron	4.60	mg/L		0.03		2	E200.7	06/05/08 21:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Manganese	2.32	mg/L		0.01		1	E200.8	06/09/08 02:14/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:01/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:14/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 18:54/eli-c
Strontium	4.8	mg/L		0.1		1	E200.8	06/09/08 02:14/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Uranium	0.116	mg/L		0.0003		1	E200.8	06/09/08 02:14/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 02:14/eli-c
DATA QUALITY								
A/C Balance (± 5)	9.13	%				1	A1030 E	07/18/08 00:00/jmh
Anions	28.9	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	34.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	1980	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-002
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:45
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Calcium	375	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Chloride	9	mg/L		1		1	E300.0	05/29/08 14:42/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	05/29/08 14:42/jmh
Magnesium	135	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:04/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:42/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:42/jmh
Potassium	15.4	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Silica	5.1	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Sodium	87	mg/L	D	2		2	E200.7	06/16/08 17:15/eli-c
Sulfate	1360	mg/L	D	3		50	E300.0	05/29/08 14:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2460	umhos/cm		5.0		1	A2510 B	05/29/08 15:15/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	06/04/08 00:00/jmh
pH	6.75	s.u.		0.01		1	A4500-H B	05/29/08 14:21/tb
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	05/30/08 11:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 02:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:31/eli-c
Iron	1.56	mg/L		0.03		2	E200.7	06/16/08 17:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:31/eli-c
Manganese	2.23	mg/L		0.01		1	E200.8	06/23/08 02:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:15/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 12:38/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-002
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:45
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 02:31/eli-c
Uranium	0.103	mg/L		0.0003		1	E200.8	06/23/08 02:31/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:15/eli-c
METALS - SUSPENDED								
Uranium	0.0032	mg/L		0.0003		1	E200.8	06/26/08 00:35/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1390	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	35.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	6.1	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	383	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	9.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	8.5	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	9.4	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	412	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	3500	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	9.0	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	13.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-002
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:45
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	22400	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	153	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:21/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 02:21/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/05/08 22:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:21/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:21/eli-c
Iron	4.88	mg/L		0.03		2	E200.7	06/05/08 22:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Manganese	2.45	mg/L		0.01		1	E200.8	06/09/08 02:21/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:03/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:21/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:21/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:28/eli-c
Strontium	5.0	mg/L		0.1		1	E200.8	06/09/08 02:21/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Uranium	0.119	mg/L		0.0003		1	E200.8	06/09/08 02:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 02:21/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.02	%				1	A1030 E	07/18/08 00:00/jmh
Anions	30.9	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	34.2	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	2060	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-003
Client Sample ID: DewBurd GW3026

Report Date: 07/30/08
Collection Date: 05/28/08 15:15
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
MAJOR IONS									
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	06/02/08 11:25/mb	
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:25/mb	
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	06/02/08 11:25/mb	
Calcium	407	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c	
Chloride	15	mg/L		1		1	E300.0	05/29/08 15:15/jmh	
Fluoride	0.4	mg/L		0.1		1	E300.0	05/29/08 15:15/jmh	
Magnesium	105	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c	
Nitrogen, Ammonia as N	0.7	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:05/jmh	
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:15/jmh	
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:15/jmh	
Potassium	25.3	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c	
Silica	2.3	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c	
Sodium	209	mg/L	D	2		2	E200.7	06/16/08 17:23/eli-c	
Sulfate	1480	mg/L	D	3		50	E300.0	05/29/08 14:58/jmh	
PHYSICAL PROPERTIES									
Conductivity @ 25 C	2610	umhos/cm		5.0		1	A2510 B	05/29/08 15:17/tb	
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh	
pH	6.95	s.u.		0.01		1	A4500-H B	05/29/08 14:21/tb	
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.10		1	Calculation	07/18/08 18:14/ADM	
Solids, Total Dissolved TDS @ 180 C	2400	mg/L		5		1	A2540 C	05/30/08 11:58/mb	
METALS - DISSOLVED									
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c	
Arsenic	0.002	mg/L		0.001		1	E200.8	06/23/08 02:58/eli-c	
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c	
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c	
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:58/eli-c	
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:23/eli-c	
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:58/eli-c	
Iron	0.23	mg/L		0.03		2	E200.7	06/16/08 17:23/eli-c	
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:58/eli-c	
Manganese	0.82	mg/L		0.01		1	E200.8	06/23/08 02:58/eli-c	
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:58/eli-c	
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c	
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:23/eli-c	
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:25/eli-c	
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:05/eli-c	

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-003
Client Sample ID: DewBurd GW3026

Report Date: 07/30/08
Collection Date: 05/28/08 15:15
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 02:58/eli-c
Uranium	0.0281	mg/L		0.0003		1	E200.8	06/23/08 02:58/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:23/eli-c
METALS - SUSPENDED								
Uranium	0.0013	mg/L		0.0003		1	E200.8	06/26/08 00:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:21/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	92.4	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	10.5	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	6.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	28.3	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	5.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	8.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	-0.7	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	9.6	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.0	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	1.2	pCi/L				1	E903.0	06/17/08 09:14/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-003
Client Sample ID: DewBurd GW3026

Report Date: 07/30/08
Collection Date: 05/28/08 15:15
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	213	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	37.0	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:48/eli-c
Arsenic	0.028	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 02:48/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:48/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:48/eli-c
Iron	11.1	mg/L		0.03		2	E200.7	06/05/08 22:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Manganese	0.87	mg/L		0.01		1	E200.8	06/09/08 02:48/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:06/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:48/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:48/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:34/eli-c
Strontium	7.0	mg/L		0.1		1	E200.8	06/09/08 02:48/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Uranium	0.0322	mg/L		0.0003		1	E200.8	06/09/08 02:48/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	06/09/08 02:48/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.90	%				1	A1030 E	07/18/08 00:00/jmh
Anions	34.5	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	38.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	2340	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-004
Client Sample ID: DewBurd GW622

Report Date: 07/30/08
Collection Date: 05/28/08 18:26
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	178	mg/L		5		1	A2320 B	06/02/08 11:27/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:27/mb
Bicarbonate as HCO3	217	mg/L		5		1	A2320 B	06/02/08 11:27/mb
Calcium	97.5	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Chloride	10	mg/L		1		1	E300.0	05/29/08 15:47/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/29/08 15:47/jmh
Magnesium	32.7	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:47/jmh
Potassium	10.6	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Sodium	182	mg/L	D	2		2	E200.7	06/16/08 17:27/eli-c
Sulfate	493	mg/L	D	3		50	E300.0	05/29/08 15:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1220	umhos/cm		5.0		1	A2510 B	05/29/08 15:18/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.52	s.u.		0.01		1	A4500-H B	05/29/08 14:23/tb
Sodium Adsorption Ratio (SAR)	4.1	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	05/30/08 12:00/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 03:05/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:05/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:05/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 17:27/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	06/23/08 03:05/eli-c
Manganese	0.20	mg/L		0.01		2	E200.7	06/16/08 17:27/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:05/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:27/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:12/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-004
Client Sample ID: DewBurd GW622

Report Date: 07/30/08
Collection Date: 05/28/08 18:26
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:05/eli-c
Uranium	0.0056	mg/L		0.0003		1	E200.8	06/23/08 03:05/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:27/eli-c
METALS - SUSPENDED								
Uranium	0.0005	mg/L		0.0003		1	E200.8	06/26/08 00:48/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	32.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	11.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	3.2	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	1.2	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	3.2	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	46	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	2.5	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	1.0	pCi/L				1	E903.0	06/17/08 09:14/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-004
Client Sample ID: DewBurd GW622

Report Date: 07/30/08
Collection Date: 05/28/08 18:26
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.5	pCi/L	U	0.2		1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	804	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	43.3	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:55/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Barium	0.2	mg/L		0.1		1	E200.8	06/09/08 02:55/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:55/eli-c
Iron	10.7	mg/L		0.03		2	E200.7	06/05/08 22:48/eli-c
Lead	0.023	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Manganese	0.25	mg/L		0.01		1	E200.8	06/09/08 02:55/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:13/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:55/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:41/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	06/09/08 02:55/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Uranium	0.0068	mg/L		0.0003		1	E200.8	06/09/08 02:55/eli-c
Zinc	0.25	mg/L		0.01		1	E200.8	06/09/08 02:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.53	%				1	A1030 E	07/18/08 00:00/jmh
Anions	14.1	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	15.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	944	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-005
Client Sample ID: DewBurd GW615

Report Date: 07/30/08
Collection Date: 05/28/08 19:20
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	138	mg/L		5		1	A2320 B	06/02/08 11:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:30/mb
Bicarbonate as HCO3	168	mg/L		5		1	A2320 B	06/02/08 11:30/mb
Calcium	79.2	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Chloride	5	mg/L		1		1	E300.0	05/29/08 16:20/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/29/08 16:20/jmh
Magnesium	23.2	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:07/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 16:20/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 16:20/jmh
Potassium	9.0	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Sodium	134	mg/L	D	2		2	E200.7	06/16/08 17:31/eli-c
Sulfate	399	mg/L	D	3		50	E300.0	05/29/08 16:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1050	umhos/cm		5.0		1	A2510 B	05/29/08 15:20/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.16	s.u.		0.01		1	A4500-H B	05/29/08 14:25/tb
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	710	mg/L		5		1	A2540 C	05/30/08 12:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Arsenic	0.013	mg/L		0.001		1	E200.8	06/23/08 03:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:31/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:12/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	06/16/08 17:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 03:12/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	06/23/08 03:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:31/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:19/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-005
Client Sample ID: DewBurd GW615

Report Date: 07/30/08
Collection Date: 05/28/08 19:20
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:12/eli-c
Uranium	0.0024	mg/L		0.0003		1	E200.8	06/23/08 03:12/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:31/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 00:55/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.3	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha MDC	2.1	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta	3.7	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta precision (±)	1.8	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta MDC	2.8	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Lead 210	3.8	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	2.0	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	170	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	46	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.5	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	06/17/08 09:14/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-005
Client Sample ID: DewBurd GW615

Report Date: 07/30/08
Collection Date: 05/28/08 19:20
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1070	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	45.9	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 03:02/eli-c
Arsenic	0.024	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 03:02/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 03:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 03:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 03:02/eli-c
Iron	1.40	mg/L		0.03		2	E200.7	06/05/08 22:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	06/09/08 03:02/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:15/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 03:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 03:02/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:48/eli-c
Strontium	1.4	mg/L		0.1		1	E200.8	06/09/08 03:02/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	06/09/08 03:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 03:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.00	%				1	A1030 E	07/18/08 00:00/jmh
Anions	11.2	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	11.9	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	745	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-006
Client Sample ID: DewBurd GW689

Report Date: 07/30/08
Collection Date: 05/28/08 22:25
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	06/02/08 11:40/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:40/mb
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	06/02/08 11:40/mb
Calcium	49.2	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Chloride	5	mg/L		1		1	E300.0	05/29/08 17:59/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/29/08 17:59/jmh
Magnesium	16.4	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:09/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 17:59/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 17:59/jmh
Potassium	8.1	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Sodium	184	mg/L	D	2		2	E200.7	06/16/08 17:35/eli-c
Sulfate	400	mg/L	D	3		50	E300.0	05/29/08 17:10/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1010	umhos/cm		5.0		1	A2510 B	05/29/08 15:23/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.80	s.u.		0.01		1	A4500-H B	05/29/08 14:26/tb
Sodium Adsorption Ratio (SAR)	5.8	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	730	mg/L		5		1	A2540 C	05/30/08 12:02/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/23/08 03:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:19/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 17:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 03:19/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	06/16/08 17:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:35/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:26/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-006
Client Sample ID: DewBurd GW689

Report Date: 07/30/08
Collection Date: 05/28/08 22:25
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:19/eli-c
Uranium	0.0043	mg/L		0.0003		1	E200.8	06/23/08 03:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:35/eli-c
METALS - SUSPENDED								
Uranium	0.0004	mg/L		0.0003		1	E200.8	06/26/08 01:01/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	34.9	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha MDC	2.2	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta	12.2	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta precision (±)	1.9	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta MDC	2.9	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Lead 210	6.3	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.4	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	5.7	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	40	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	0.5	pCi/L	U			1	E903.0	06/17/08 09:14/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-006
Client Sample ID: DewBurd GW689

Report Date: 07/30/08
Collection Date: 05/28/08 22:25
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1390	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	48.3	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 03:08/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 03:08/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 03:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 03:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 03:08/eli-c
Iron	1.33	mg/L		0.03		2	E200.7	06/05/08 22:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	06/09/08 03:08/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:17/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 03:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 03:08/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:55/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	06/09/08 03:08/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Uranium	0.0117	mg/L		0.0003		1	E200.8	06/09/08 03:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 03:08/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.36	%				1	A1030 E	07/18/08 00:00/jmh
Anions	11.5	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	12.0	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	764	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080602A-ALK-SEL-W							
Sample ID: LCS1_080602A	Laboratory Control Sample				Run: PH_COND1-R_080602A				06/02/08 10:56
Alkalinity, Total as CaCO ₃	960	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080602A	Method Blank				Run: PH_COND1-R_080602A				06/02/08 12:28
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08050406-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080602A				06/02/08 11:35
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	98	80	120			
Sample ID: R08050406-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080602A				06/02/08 11:38
Alkalinity, Total as CaCO ₃	244	mg/L	5.0	100	80	120	0.8	10	
Method: A2510 B		Batch: 080529_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C				05/29/08 15:04
Conductivity @ 25 C	1390	umhos/cm	5.0	98	90	110			
Sample ID: LCS1-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C				05/29/08 15:02
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C				05/29/08 15:01
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: R08050406-005ADUP	Sample Duplicate				Run: PH_COND2-R_080529C				05/29/08 15:22
Conductivity @ 25 C	1040	umhos/cm	5.0				1.0	10	
Method: A2540 C		Batch: 080530A-SLDS-TDS-W							
Sample ID: LCS1_080530A	Laboratory Control Sample				Run: BAL-4-R_080530A				05/30/08 11:44
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080530A	Method Blank				Run: BAL-4-R_080530A				05/30/08 11:45
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08050406-003AMS	Sample Matrix Spike				Run: BAL-4-R_080530A				05/30/08 11:59
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	147	80	120			S
Sample ID: R08050406-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080530A				05/30/08 12:00
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	135	80	120	0.9	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080604-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080604B		06/04/08 00:00		
Oxidation-Reduction Potential	470	mV		100	95	105			
Sample ID: R08050406-001F	Sample Duplicate				Run: PH_COND1-R_080604B		06/04/08 00:00		
Oxidation-Reduction Potential	210	mV					3.2	10	
Method: A3114 B							Batch: C_SE3114-080620A		
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C102993		06/20/08 10:11		
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C102993		06/20/08 10:45		
Selenium-IV	0.069	mg/L	0.0010	137	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C102993		06/20/08 10:48		
Selenium-IV	0.075	mg/L	0.0010	151	85	115	9.3	10	S
Method: A3114 B							Batch: C_SE3114-080620C		
Sample ID: MBLK	Method Blank				Run: SUB-C103018		06/20/08 15:10		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C103018		06/20/08 15:14		
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C103018		06/20/08 15:48		
Selenium	0.073	mg/L	0.0010	146	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C103018		06/20/08 15:50		
Selenium	0.073	mg/L	0.0010	145	85	115	0.0	10	S
Method: A4500-H B							Batch: 080529_1-PH-W		
Sample ID: LCS_pH-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529A		05/29/08 14:07		
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08050406-003ADUP	Sample Duplicate				Run: PH_COND2-R_080529A		05/29/08 14:24		
pH	6.99	s.u.	0.010				0.6	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G					Batch: A2008-06-03_2_NH3_01				
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080603A			06/03/08 11:58
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080603A			06/03/08 12:01
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080603A			06/03/08 12:14
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08050406-001BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080603A			06/03/08 13:03
Nitrogen, Ammonia as N	0.45	mg/L	0.10	110	80	120			
Sample ID: R08050419-001BMS	Sample Matrix Spike					Run: TECHAA2-R_080603A			06/03/08 13:13
Nitrogen, Ammonia as N	0.48	mg/L	0.10	104	80	120			
Sample ID: R08050419-001BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080603A			06/03/08 13:14
Nitrogen, Ammonia as N	0.45	mg/L	0.10	90	80	120	7.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102753		
Sample ID: MB-080616A	Method Blank		Run: SUB-C102753				06/16/08 15:33		
Silica	ND	mg/L	0.02						
Aluminum	0.01	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080616A	Laboratory Fortified Blank		Run: SUB-C102753				06/16/08 15:37		
Silica	0.37	mg/L	0.10	92	85	125			
Aluminum	0.99	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.00	mg/L	0.10	98	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	52	mg/L	0.50	104	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Vanadium	1.0	mg/L	0.10	104	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: C08060096-002CMS2	Sample Matrix Spike		Run: SUB-C102753				06/16/08 18:08		
Aluminum	1.95	mg/L	0.10	98	70	130			
Barium	2.08	mg/L	0.10	104	70	130			
Boron	2.10	mg/L	0.10	102	70	130			
Chromium	2.09	mg/L	0.050	104	70	130			
Iron	2.14	mg/L	0.030	106	70	130			
Manganese	2.13	mg/L	0.010	103	70	130			
Molybdenum	2.00	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102753		
Sample ID: C08060096-002CMS2	Sample Matrix Spike		Run: SUB-C102753				06/16/08 18:08		
Nickel	2.06	mg/L	0.050	103	70	130			
Vanadium	2.12	mg/L	0.10	104	70	130			
Zinc	2.10	mg/L	0.010	104	70	130			
Calcium	141	mg/L	1.0	102	70	130			
Magnesium	117	mg/L	1.0	104	70	130			
Potassium	98.4	mg/L	1.0	92	70	130			
Silica	4.58	mg/L	0.10		70	130			A
Sodium	372	mg/L	1.5	95	70	130			
Sample ID: C08060096-002CMSD2	Sample Matrix Spike Duplicate		Run: SUB-C102753				06/16/08 18:12		
Aluminum	1.98	mg/L	0.10	99	70	130	1.6	20	
Barium	2.12	mg/L	0.10	106	70	130	2.0	20	
Boron	2.16	mg/L	0.10	105	70	130	2.9	20	
Chromium	2.13	mg/L	0.050	106	70	130	1.9	20	
Iron	2.16	mg/L	0.030	108	70	130	1.2	20	
Manganese	2.17	mg/L	0.010	105	70	130	1.9	20	
Molybdenum	2.06	mg/L	0.10	103	70	130	3.2	20	
Nickel	2.12	mg/L	0.050	106	70	130	2.4	20	
Vanadium	2.21	mg/L	0.10	108	70	130	4.1	20	
Zinc	2.15	mg/L	0.010	106	70	130	2.4	20	
Calcium	145	mg/L	1.0	106	70	130	2.7	20	
Magnesium	121	mg/L	1.0	107	70	130	2.7	20	
Potassium	99.1	mg/L	1.0	92	70	130	0.7	20	
Silica	4.65	mg/L	0.10		70	130	1.3	20	A
Sodium	369	mg/L	1.5	92	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: LRB	Method Blank		Run: SUB-C103038				06/22/08 13:02		
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C103038				06/22/08 14:35		
Arsenic	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0527	mg/L	0.0010	105	85	115			
Manganese	0.0530	mg/L	0.0010	106	85	115			
Mercury	0.00507	mg/L	0.0010	101	85	115			
Thorium 232	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Sample ID: R08050419-003C	Post Digestion Spike		Run: SUB-C103038				06/22/08 19:53		
Arsenic	0.0536	mg/L	0.0010	106	70	130			
Cadmium	0.0507	mg/L	0.010	101	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0543	mg/L	0.050	109	70	130			
Manganese	0.136	mg/L	0.010	100	70	130			
Mercury	0.00517	mg/L	0.0010	103	70	130			
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0558	mg/L	0.00030	111	70	130			
Sample ID: R08050419-003C	Post Digestion Spike Duplicate		Run: SUB-C103038				06/22/08 20:00		
Arsenic	0.0548	mg/L	0.0010	108	70	130	2.2	20	
Cadmium	0.0519	mg/L	0.010	104	70	130	2.3	20	
Copper	0.0510	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0549	mg/L	0.050	110	70	130	1.2	20	
Manganese	0.138	mg/L	0.010	103	70	130	0.9	20	
Mercury	0.00531	mg/L	0.0010	106	70	130	2.7	20	
Thorium 232	0.0571	mg/L	0.0010	114	70	130	1.8	20	
Uranium	0.0567	mg/L	0.00030	113	70	130	1.7	20	
Sample ID: C08060423-001BMS	Sample Matrix Spike		Run: SUB-C103038				06/23/08 02:04		
Arsenic	0.0502	mg/L	0.0010	91	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: C08060423-001BMS	Sample Matrix Spike			Run: SUB-C103038			06/23/08 02:04		
Cadmium	0.0433	mg/L	0.0010	87	70	130			
Copper	0.0491	mg/L	0.0010	95	70	130			
Lead	0.0532	mg/L	0.0010	105	70	130			
Manganese	0.0789	mg/L	0.0010	93	70	130			
Mercury	0.00506	mg/L	0.0010	101	70	130			
Thorium 232	0.0551	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Sample ID: C08060423-001BMSD							06/23/08 02:11		
Sample Matrix Spike Duplicate			Run: SUB-C103038						
Arsenic	0.0527	mg/L	0.0010	96	70	130	4.9	20	
Cadmium	0.0451	mg/L	0.0010	90	70	130	4.1	20	
Copper	0.0526	mg/L	0.0010	102	70	130	6.9	20	
Lead	0.0559	mg/L	0.0010	110	70	130	4.9	20	
Manganese	0.0827	mg/L	0.0010	101	70	130	4.7	20	
Mercury	0.00530	mg/L	0.0010	106	70	130	4.7	20	
Thorium 232	0.0588	mg/L	0.0010	117	70	130	6.5	20	
Uranium	0.0583	mg/L	0.00030	116	70	130	5.5	20	
Method: E200.8							Batch: C_R103200		
Sample ID: LRB	Method Blank			Run: SUB-C103200			06/24/08 11:37		
Manganese	ND	mg/L	5E-05						
Silver	ND	mg/L	3E-05						
Sample ID: LFB							06/24/08 11:44		
Laboratory Fortified Blank			Run: SUB-C103200						
Manganese	0.0499	mg/L	0.0010	100	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Sample ID: C08060096-004CMS4							06/24/08 13:59		
Post Digestion Spike			Run: SUB-C103200						
Manganese	1.01	mg/L	0.010		70	130			A
Silver	0.0131	mg/L	0.010	66	70	130			S
Sample ID: C08060096-004CMSD4							06/24/08 14:26		
Post Digestion Spike Duplicate			Run: SUB-C103200						
Manganese	0.994	mg/L	0.010		70	130	1.9	20	A
Silver	0.0127	mg/L	0.010	63	70	130	3.6	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: C_B_33012		
Sample ID: B08060960-003CMS	Sample Matrix Spike				Run: SUB-C102832		06/17/08 09:36		
Mercury	0.0019	mg/L	0.0010	90	70	130			
Sample ID: B08060960-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832		06/17/08 09:39		
Mercury	0.0020	mg/L	0.0010	95	70	130	4.7	30	
Sample ID: MB-33012	Method Blank				Run: SUB-C102832		06/17/08 09:25		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33012	Laboratory Fortified Blank				Run: SUB-C102832		06/17/08 09:28		
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08060966-003BMS	Sample Matrix Spike				Run: SUB-C102832		06/17/08 11:27		
Mercury	0.0017	mg/L	0.0010	86	70	130			
Sample ID: B08060966-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832		06/17/08 11:29		
Mercury	0.0017	mg/L	0.0010	83	70	130	3.6	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35055
Sample ID: LFB0805292120-1	Laboratory Fortified Blank			Run: DIONEX_080530A			05/29/08 12:14		
Chloride	4.69	mg/L	0.50	94	90	110			
Fluoride	1.81	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.25	mg/L	0.10	90	90	110			
Nitrogen, Nitrite as N	2.34	mg/L	0.10	94	90	110			
Sulfate	13.5	mg/L	1.0	90	90	110			
Sample ID: LFB0805292120-4	Laboratory Fortified Blank			Run: DIONEX_080530A			05/29/08 13:03		
Chloride	4.87	mg/L	0.50	97	90	110			
Fluoride	1.84	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: R08050406-001AMS	Sample Matrix Spike			Run: DIONEX_080530A			05/29/08 13:36		
Chloride	252	mg/L	5.4	86	80	120			
Fluoride	92.0	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Nitrogen, Nitrite as N	121	mg/L	2.9	97	80	120			
Sulfate	1920	mg/L	3.4	88	80	120			
Sample ID: R08050406-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080530A			05/29/08 13:53		
Chloride	247	mg/L	5.4	84	80	120	2.2	10	
Fluoride	89.8	mg/L	0.56	83	80	120	2.4	10	
Nitrogen, Nitrate as N	113	mg/L	1.3	91	80	120	2.7	10	
Nitrogen, Nitrite as N	118	mg/L	2.9	94	80	120	2.5	10	
Sulfate	1890	mg/L	3.4	83	80	120	1.9	10	
Sample ID: R08050406-006AMS	Sample Matrix Spike			Run: DIONEX_080530A			05/29/08 17:26		
Chloride	237	mg/L	5.4	86	80	120			
Fluoride	92.5	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Nitrogen, Nitrite as N	121	mg/L	2.9	97	80	120			
Sulfate	1010	mg/L	3.4	82	80	120			
Sample ID: R08050406-006AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080530A			05/29/08 17:42		
Chloride	238	mg/L	5.4	86	80	120	0.5	10	
Fluoride	93.0	mg/L	0.56	86	80	120	0.5	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	93	80	120	0.4	10	
Nitrogen, Nitrite as N	122	mg/L	2.9	97	80	120	0.5	10	
Sulfate	1000	mg/L	3.4	81	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0465		
Sample ID: MB-GrAB-0465	Method Blank				Run: SUB-C103416			06/26/08 11:24	
Gross Alpha	0.5	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0465	Laboratory Control Sample				Run: SUB-C103416			06/26/08 11:24	
Gross Alpha	150	pCi/L	106		70	130			
Sample ID: C08060007-003EMS	Sample Matrix Spike				Run: SUB-C103416			06/26/08 11:24	
Gross Alpha	240	pCi/L	98		70	130			
Sample ID: C08060007-003EMSD	Sample Matrix Spike Duplicate				Run: SUB-C103416			06/26/08 11:24	
Gross Alpha	230	pCi/L	90		70	130	4.7	15.3	
Method: E903.0							Batch: C_18760		
Sample ID: C08051260-001IMS	Sample Matrix Spike				Run: SUB-C102780			06/17/08 09:14	
Radium 226	34	pCi/L	108		70	130			
Sample ID: C08051260-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102780			06/17/08 09:14	
Radium 226	32	pCi/L	97		70	130	6.8	21.5	
Sample ID: MB-18760	Method Blank				Run: SUB-C102780			06/17/08 10:48	
Radium 226	-2	pCi/L						U	
Sample ID: LCS-18760	Laboratory Control Sample				Run: SUB-C102780			06/17/08 10:48	
Radium 226	17	pCi/L	111		70	130			
Method: E907.0							Batch: C_18760		
Sample ID: R08050419-002I	Sample Matrix Spike				Run: SUB-C103470			06/13/08 13:30	
Thorium 230	22.2	pCi/L	0.20	95	70	130			
Sample ID: R08050419-002I	Sample Matrix Spike Duplicate				Run: SUB-C103470			06/13/08 13:30	
Thorium 230	22.6	pCi/L	0.20	98	70	130	1.8	30	
Method: E907.0							Batch: C_R103514		
Sample ID: C08060096-003HMS	Sample Matrix Spike				Run: SUB-C103514			06/16/08 13:30	
Thorium 230	12.4	pCi/L	0.20	102	70	130			
Sample ID: C08060096-003HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103514			06/16/08 13:30	
Thorium 230	11.0	pCi/L	0.20	90	70	130	12	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 07/30/08

Project: Edgemont

Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M							Batch: C_18760		
Sample ID: C08051260-002IMS	Sample Matrix Spike				Run: SUB-C103520		06/11/08 06:30		
Lead 210	3000	pCi/L		127	70	130			
Sample ID: C08051260-002IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103520		06/11/08 06:30		
Lead 210	2100	pCi/L		89	70	130	35	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Method: RMO-3008							Batch: C_18760		
Sample ID: C08060130-004FMS	Sample Matrix Spike				Run: SUB-C103721		06/25/08 17:27		
Polonium 210	51	pCi/L	1.0	117	70	130			
Sample ID: C08060130-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C103721		06/25/08 17:27		
Polonium 210	48	pCi/L	1.0	109	70	130	6.9	30	
Method: RMO-3008							Batch: C_R103750		
Sample ID: R08050356-004K	Sample Matrix Spike				Run: SUB-C103750		07/01/08 14:30		
Polonium 210	180	pCi/L	1.0	109	70	130			
Sample ID: R08050356-004K	Sample Matrix Spike Duplicate				Run: SUB-C103750		07/01/08 14:30		
Polonium 210	170	pCi/L	1.0	101	70	130	8.2	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



Chain of Custody and Analytical Request Record

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC		Project Name, PWS, Permit, Etc.: Power Tech Darryl Funder		Sample Origin: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: RESPEC		Contact Name: Cory Foreman @ respec.com		State: SD	Sampler: (Please Print) Eric KANE
Invoice Address:		Phone/Fax:		Email:	
Special Report/Formats - EI must be notified prior to sample submittal for the following:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
<input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____		<input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		Number of Containers Sample Type: AWSVB Air Water Soils/Solids Vegetation Bioassay Other	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	
1. DeBurd GW 698		5-28-08	12:35	W	
2. DeBurd GW 698		5-28-08	12:45	W	
3. DeBurd GW 3024		5-28-08	15:15	W	
4. DeBurd GW 622		5-28-08	18:26	W	
5. DeBurd GW 615		5-28-08	19:20	W	
6. DeBurd GW 689		5-28-08	22:25	W	
7.					
8.					
9.					
10.					
Custody Record		Date/Time: 5/29/08 0515		Signature: [Signature]	Received by (print): Eric Kane
MUST be Signed		Date/Time: _____		Signature: _____	Received by (print): _____
Sample Disposal: _____		Lab Disposal: _____		Date/Time: 5/29/08 0515	
In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.		SEE ATTACHED		Normal Turnaround (TAT)	
		RUSH		Comments: All GW	
		Contact EI prior to RUSH sample submittal for charges and scheduling - See instruction Page		Shipped by: _____	
		Recent Temp: 4.9 °C		Cooler Date: _____	
		On Ice: Yes		Signature: _____	
		Custody Seal: Y N		Intact: Y N	
		Signature: Y N		Match: Y N	
		LABORATORY USE ONLY		108050416-001	
				108050416-002	
				108050416-003	
				108050416-004	
				108050416-005	
				108050416-006	



ANALYTICAL SUMMARY REPORT

July 30, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050419

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 5/30/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050419-001	DewBurd GW7002	05/29/08 10:44	05/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050419-002	DewBurd GW7	05/29/08 11:10	05/30/08	Aqueous	Same As Above
R08050419-003	DewBurd GW8	05/29/08 11:41	05/30/08	Aqueous	Same As Above
R08050419-004	DewBurd GW628	05/29/08 15:02	05/30/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Linda Larson



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-001
Client Sample ID: DewBurd GW7002

Report Date: 07/30/08
Collection Date: 05/29/08 10:44
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	254	mg/L		5		1	A2320 B	06/02/08 11:43/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:43/mb
Bicarbonate as HCO3	310	mg/L		5		1	A2320 B	06/02/08 11:43/mb
Calcium	264	mg/L		0.5		2	E200.7	06/16/08 19:25/eli-c
Chloride	9	mg/L		1		1	E300.0	05/31/08 21:14/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	05/31/08 21:14/jmh
Magnesium	103	mg/L		0.5		2	E200.7	06/16/08 19:25/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:12/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 21:14/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 21:14/jmh
Potassium	21.7	mg/L		0.5		2	E200.7	06/16/08 19:25/eli-c
Silica	3.4	mg/L		0.5		2	E200.7	06/16/08 19:25/eli-c
Sodium	197	mg/L	D	2		2	E200.7	06/16/08 19:25/eli-c
Sulfate	1020	mg/L	D	3		50	E300.0	05/31/08 20:58/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2480	umhos/cm		5.0		1	A2510 B	06/02/08 15:03/tb
Oxidation-Reduction Potential	230	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.36	s.u.		0.01		1	A4500-H B	06/02/08 15:40/tb
Sodium Adsorption Ratio (SAR)	2.6	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		5		1	A2540 C	05/30/08 12:02/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:25/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 19:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:25/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 19:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 19:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:25/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 19:12/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	06/16/08 19:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 19:12/eli-c
Manganese	0.41	mg/L		0.01		2	E200.7	06/16/08 19:25/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 19:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:25/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:25/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 19:12/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

Page 1 of 12



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-001
Client Sample ID: DewBurd GW7002

Report Date: 07/30/08
Collection Date: 05/29/08 10:44
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
METALS - DISSOLVED									
Thorium 232	ND	mg/L		0.005			1	E200.8	06/22/08 19:12/eli-c
Uranium	0.0005	mg/L		0.0003			1	E200.8	06/22/08 19:12/eli-c
Vanadium	ND	mg/L		0.1			2	E200.7	06/16/08 19:25/eli-c
Zinc	ND	mg/L		0.01			2	E200.7	06/16/08 19:25/eli-c
METALS - SUSPENDED									
Uranium	ND	mg/L		0.0003			1	E200.8	06/26/08 01:08/eli-c
METALS - SPECIATED									
Selenium-IV	ND	mg/L		0.001			1	A3114 B	06/20/08 11:02/eli-c
Selenium-VI	ND	mg/L		0.001			1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED									
Gross Alpha	29.5	pCi/L					1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	6.5	pCi/L					1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	7.4	pCi/L					1	E900.0	06/28/08 01:42/eli-c
Gross Beta	28.4	pCi/L					1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	5.1	pCi/L					1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	7.7	pCi/L					1	E900.0	06/28/08 01:42/eli-c
Lead 210	-0.6	pCi/L	U				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L					1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L					1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	0.1	pCi/L	U	1.0			1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L					1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	8.0	pCi/L					1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.5	pCi/L					1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.1	pCi/L	U	0.2			1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.1	pCi/L					1	E907.0	06/30/08 17:02/eli-c
Gross Gamma	0.0	pCi/L	U	20			1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	20	pCi/L					1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED									
Lead 210	-1.1	pCi/L	U				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L					1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L					1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0			1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.43	pCi/L					1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	0.0	pCi/L	U				1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-001
Client Sample ID: DewBurd GW7002

Report Date: 07/30/08
Collection Date: 05/29/08 10:44
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1270	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	109	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:31/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	06/13/08 20:31/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:31/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:31/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 20:28/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:31/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:31/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:31/eli-c
Iron	1.32	mg/L		0.03		2	E200.7	06/13/08 20:28/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:31/eli-c
Manganese	0.40	mg/L		0.01		1	E200.8	06/13/08 20:31/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:31/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:41/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:31/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:31/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 14:58/eli-c
Strontium	7.7	mg/L		0.1		1	E200.8	06/13/08 20:31/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:31/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	06/13/08 20:31/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:31/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.56	%				1	A1030 E	07/30/08 00:00/jmh
Anions	26.5	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	30.9	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	1780	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-002
Client Sample ID: DewBurd GW7

Report Date: 07/30/08
Collection Date: 05/29/08 11:10
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	06/02/08 11:45/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:45/mb
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	06/02/08 11:45/mb
Calcium	42.1	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Chloride	11	mg/L		1		1	E300.0	05/31/08 21:47/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/31/08 21:47/jmh
Magnesium	18.2	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 21:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 21:47/jmh
Potassium	11.0	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Sodium	300	mg/L	D	2		2	E200.7	06/16/08 19:29/eli-c
Sulfate	514	mg/L	D	3		50	E300.0	05/31/08 21:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1650	umhos/cm		5.0		1	A2510 B	06/02/08 15:04/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	8.17	s.u.		0.01		1	A4500-H B	06/02/08 15:42/tb
Sodium Adsorption Ratio (SAR)	9.7	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	05/30/08 12:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 19:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 19:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:29/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 19:19/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 19:19/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	06/22/08 19:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 19:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:29/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 19:19/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-002
Client Sample ID: DewBurd GW7

Report Date: 07/30/08
Collection Date: 05/29/08 11:10
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 19:19/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/22/08 19:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:29/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 01:15/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:05/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.3	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	9.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	0.5	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	0.9	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	06/30/08 17:02/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-7.4	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.4	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-002
Client Sample ID: DewBurd GW7

Report Date: 07/30/08
Collection Date: 05/29/08 11:10
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	451	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	98.8	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:38/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	06/13/08 20:38/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:38/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 20:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:38/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:38/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:38/eli-c
Iron	0.41	mg/L		0.03		2	E200.7	06/13/08 20:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	06/13/08 20:38/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:38/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:43/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:38/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:38/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 15:12/eli-c
Strontium	1.1	mg/L		0.1		1	E200.8	06/13/08 20:38/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/13/08 20:38/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:38/eli-c
DATA QUALITY								
A/C Balance (± 5)	8.11	%				1	A1030 E	07/30/08 00:00/jmh
Anions	14.4	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	17.0	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	1010	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-003
Client Sample ID: DewBurd GW8

Report Date: 07/30/08
Collection Date: 05/29/08 11:41
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	164	mg/L		5		1	A2320 B	06/02/08 11:48/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:48/mb
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	06/02/08 11:48/mb
Calcium	58.9	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Chloride	11	mg/L		1		1	E300.0	05/31/08 22:20/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/31/08 22:20/jmh
Magnesium	26.3	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:17/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:20/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:20/jmh
Potassium	13.7	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Silica	3.5	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Sodium	240	mg/L	D	2		2	E200.7	06/16/08 19:33/eli-c
Sulfate	514	mg/L	D	3		50	E300.0	05/31/08 22:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1560	umhos/cm		5.0		1	A2510 B	06/02/08 15:05/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.97	s.u.		0.01		1	A4500-H B	06/02/08 15:43/tb
Sodium Adsorption Ratio (SAR)	6.5	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	05/30/08 12:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/27/08 02:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 19:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/27/08 02:31/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 19:26/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/16/08 19:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 19:26/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:33/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 19:26/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-003
Client Sample ID: DewBurd GW8

Report Date: 07/30/08
Collection Date: 05/29/08 11:41
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 19:26/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/22/08 19:26/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:33/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 01:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:07/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.2	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	16.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	0.8	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	1.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	06/30/08 17:02/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.9	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-003
Client Sample ID: DewBurd GW8

Report Date: 07/30/08
Collection Date: 05/29/08 11:41
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	514	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	99.3	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:45/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	06/13/08 20:45/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:45/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 20:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:45/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:45/eli-c
Iron	0.23	mg/L		0.03		2	E200.7	06/13/08 20:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	06/13/08 20:45/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:45/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:45/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:45/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 16:32/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	06/13/08 20:45/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/13/08 20:45/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:45/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.33	%				1	A1030 E	07/30/08 00:00/jmh
Anions	14.3	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	15.9	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	973	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-004
Client Sample ID: DewBurd GW628

Report Date: 07/30/08
Collection Date: 05/29/08 15:02
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	06/02/08 11:51/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:51/mb
Bicarbonate as HCO3	195	mg/L		5		1	A2320 B	06/02/08 11:51/mb
Calcium	40.1	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Chloride	42	mg/L	D	5		50	E300.0	05/31/08 22:37/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/31/08 22:53/jmh
Magnesium	17.5	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:18/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:53/jmh
Potassium	8.2	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Sodium	307	mg/L	D	2		2	E200.7	06/16/08 19:57/eli-c
Sulfate	515	mg/L	D	3		50	E300.0	05/31/08 22:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1640	umhos/cm		5.0		1	A2510 B	06/02/08 15:07/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	06/04/08 00:00/jmh
pH	8.21	s.u.		0.01		1	A4500-H B	06/02/08 15:44/tb
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	980	mg/L		5		1	A2540 C	05/30/08 12:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/23/08 02:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:18/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:18/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	06/16/08 19:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:18/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:57/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 12:25/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-004
Client Sample ID: DewBurd GW628

Report Date: 07/30/08
Collection Date: 05/29/08 15:02
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 02:18/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	06/23/08 02:18/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:57/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 01:28/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:09/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	39.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	11.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	0.1	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	-0.5	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.20	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	6.1	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	06/30/08 17:02/eli-c
Gross Gamma	260	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	52	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.5	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-004
Client Sample ID: DewBurd GW628

Report Date: 07/30/08
Collection Date: 05/29/08 15:02
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	5040	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	144	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:51/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	06/13/08 20:51/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:51/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	06/13/08 20:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:51/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:51/eli-c
Iron	0.66	mg/L		0.03		1	E200.7	06/13/08 20:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	06/13/08 20:51/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:51/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:48/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:51/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 16:39/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	06/13/08 20:51/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	06/13/08 20:51/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:51/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.86	%				1	A1030 E	07/30/08 00:00/jmh
Anions	15.2	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	17.0	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	1040	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/30/08 00:00/jmh

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080602A-ALK-SEL-W							
Sample ID: LCS1_080602A	Laboratory Control Sample					Run: PH_COND1-R_080602A			06/02/08 10:56
Alkalinity, Total as CaCO ₃	960	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080602A	Method Blank					Run: PH_COND1-R_080602A			06/02/08 12:28
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08050406-005AMS	Sample Matrix Spike					Run: PH_COND1-R_080602A			06/02/08 11:35
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	98	80	120			
Sample ID: R08050406-005AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080602A			06/02/08 11:38
Alkalinity, Total as CaCO ₃	244	mg/L	5.0	100	80	120	0.8	10	
Method: A2510 B		Batch: 080602_2_COND-PROBE-W							
Sample ID: LCS_COND-1_080602	Laboratory Control Sample					Run: PH_COND2-R_080602A			06/02/08 14:54
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: LCS1-1_080602	Laboratory Control Sample					Run: PH_COND2-R_080602A			06/02/08 14:55
Conductivity @ 25 C	156	umhos/cm	5.0	104	90	110			
Sample ID: LCS2-1_080602	Laboratory Control Sample					Run: PH_COND2-R_080602A			06/02/08 14:57
Conductivity @ 25 C	4900	umhos/cm	5.0	98	90	110			
Sample ID: MBLK-1_080602	Method Blank					Run: PH_COND2-R_080602A			06/02/08 14:59
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08050427-004A	Sample Duplicate					Run: PH_COND2-R_080602A			06/02/08 15:13
Conductivity @ 25 C	1640	umhos/cm	5.0				3.6	10	
Method: A2540 C		Batch: 080530A-SLDS-TDS-W							
Sample ID: LCS1_080530A	Laboratory Control Sample					Run: BAL-4-R_080530A			05/30/08 11:44
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080530A	Method Blank					Run: BAL-4-R_080530A			05/30/08 11:45
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08050419-004AMS	Sample Matrix Spike					Run: BAL-4-R_080530A			05/30/08 12:05
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	5.0	107	80	120			
Sample ID: R08050419-004AMSD	Sample Matrix Spike Duplicate					Run: BAL-4-R_080530A			05/30/08 12:07
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	5.0	108	80	120	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080604-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080604B		06/04/08 00:00		
Oxidation-Reduction Potential	470	mV		100	95	105			
Method: A3114 B							Analytical Run: SUB-C102993		
Sample ID: 288-92-2	Initial Calibration Verification Standard						06/20/08 09:57		
Selenium-IV	0.053	mg/L	0.0010	105	90	110			
Method: A3114 B							Batch: C_SE3114-080620A		
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C102993		06/20/08 10:11		
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: C08060097-001HMS	Sample Matrix Spike				Run: SUB-C102993		06/20/08 11:18		
Selenium-IV	0.046	mg/L	0.0010	93	85	115			
Sample ID: C08060097-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102993		06/20/08 11:20		
Selenium-IV	0.048	mg/L	0.0010	96	85	115	3.3	10	
Method: A3114 B							Batch: C_SE3114-080620C		
Sample ID: MBLK	Method Blank				Run: SUB-C103018		06/20/08 15:10		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C103018		06/20/08 15:14		
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: C08060097-001HMS	Sample Matrix Spike				Run: SUB-C103018		06/20/08 16:20		
Selenium	0.044	mg/L	0.0010	87	85	115			
Sample ID: C08060097-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103018		06/20/08 16:22		
Selenium	0.044	mg/L	0.0010	89	85	115	1.8	10	
Method: A4500-H B							Batch: 080602_1_PH-W		
Sample ID: LCS_pH-1_080602	Laboratory Control Sample				Run: PH_COND2-R_080602B		06/02/08 15:39		
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060006-001ADUP	Sample Duplicate				Run: PH_COND2-R_080602B		06/02/08 15:55		
pH	7.56	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G					Batch: A2008-06-03_2_NH3_01				
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080603A				06/03/08 11:58
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080603A				06/03/08 12:01
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080603A				06/03/08 12:14
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08050419-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080603A				06/03/08 13:13
Nitrogen, Ammonia as N	0.48	mg/L	0.10	104	80	120			
Sample ID: R08050419-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080603A				06/03/08 13:14
Nitrogen, Ammonia as N	0.45	mg/L	0.10	90	80	120	7.5	10	
Method: D5072-92					Batch: C_R102221				
Sample ID: C08060087-001IDUP	Sample Duplicate				Run: SUB-C102221				06/04/08 12:40
Radon 222	68200	pCi/L	100				6.5	30	
Sample ID: MB-R102221	Method Blank				Run: SUB-C102221				06/04/08 12:40
Radon 222	9	pCi/L							U
Sample ID: LCS-R102221	Laboratory Control Sample				Run: SUB-C102221				06/04/08 12:40
Radon 222	302	pCi/L	100	96	70	130			
Method: E200.7					Batch: C_18769				
Sample ID: MB-18769	Method Blank				Run: SUB-C102679				06/13/08 20:20
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-18769	Laboratory Control Sample				Run: SUB-C102679				06/13/08 20:24
Boron	0.500	mg/L	0.10	100	85	115			
Iron	2.62	mg/L	0.030	105	85	115			
Sample ID: R08050419-004D	Sample Matrix Spike				Run: SUB-C102679				06/13/08 20:49
Boron	0.649	mg/L	0.10	102	70	130			
Iron	3.32	mg/L	0.030	107	70	130			
Sample ID: R08050419-004D	Sample Matrix Spike Duplicate				Run: SUB-C102679				06/13/08 20:53
Boron	0.667	mg/L	0.10	106	70	130	2.7	20	
Iron	3.44	mg/L	0.030	111	70	130	3.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102753		
Sample ID: MB-080616A	Method Blank		Run: SUB-C102753				06/16/08 15:37		
Silica	ND	mg/L	0.02						
Aluminum	0.01	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080616A	Laboratory Fortified Blank		Run: SUB-C102753				06/16/08 15:37		
Silica	0.37	mg/L	0.10	92	85	125			
Aluminum	0.99	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.00	mg/L	0.10	98	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	52	mg/L	0.50	104	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Vanadium	1.0	mg/L	0.10	104	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: R08050419-003C	Sample Matrix Spike		Run: SUB-C102753				06/16/08 19:37		
Aluminum	1.95	mg/L	0.10	98	70	130			
Barium	2.05	mg/L	0.10	103	70	130			
Boron	2.11	mg/L	0.10	103	70	130			
Chromium	2.11	mg/L	0.050	105	70	130			
Iron	2.22	mg/L	0.030	110	70	130			
Manganese	2.15	mg/L	0.010	103	70	130			
Molybdenum	2.02	mg/L	0.10	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102753		
Sample ID: R08050419-003C	Sample Matrix Spike			Run: SUB-C102753			06/16/08 19:37		
Nickel	2.10	mg/L	0.050	105	70	130			
Vanadium	2.31	mg/L	0.10	110	70	130			
Zinc	2.14	mg/L	0.010	107	70	130			
Calcium	165	mg/L	1.0	106	70	130			
Magnesium	136	mg/L	1.0	109	70	130			
Potassium	103	mg/L	1.0	89	70	130			
Silica	4.18	mg/L	0.10		70	130			A
Sodium	335	mg/L	1.5	95	70	130			
Sample ID: R08050419-003C	Sample Matrix Spike Duplicate			Run: SUB-C102753			06/16/08 19:41		
Aluminum	1.93	mg/L	0.10	97	70	130	1.1	20	
Barium	2.03	mg/L	0.10	101	70	130	1.4	20	
Boron	2.10	mg/L	0.10	102	70	130	0.8	20	
Chromium	2.07	mg/L	0.050	103	70	130	1.9	20	
Iron	2.17	mg/L	0.030	107	70	130	2.2	20	
Manganese	2.13	mg/L	0.010	102	70	130	1.0	20	
Molybdenum	2.00	mg/L	0.10	100	70	130	1.0	20	
Nickel	2.05	mg/L	0.050	102	70	130	2.6	20	
Vanadium	2.23	mg/L	0.10	106	70	130	3.8	20	
Zinc	2.09	mg/L	0.010	105	70	130	2.1	20	
Calcium	165	mg/L	1.0	106	70	130	0.0	20	
Magnesium	133	mg/L	1.0	107	70	130	2.1	20	
Potassium	104	mg/L	1.0	91	70	130	1.8	20	
Silica	4.12	mg/L	0.10		70	130	1.2	20	A
Sodium	336	mg/L	1.5	95	70	130	0.2	20	
Method: E200.8							Batch: C_18760		
Sample ID: MB-18760	Method Blank			Run: SUB-C103038			06/23/08 10:40		
Uranium	0.0003	mg/L	2E-05						
Sample ID: LCS1-18760	Laboratory Control Sample			Run: SUB-C103038			06/23/08 10:47		
Uranium	0.0487	mg/L	0.00030	92	80	120			
The LCS was not spiked for thorium.									
Sample ID: C08060097-005KMS4	Post Digestion Spike			Run: SUB-C103038			06/23/08 11:47		
Uranium	0.0124	mg/L	0.00030	99	70	130			
Sample ID: C08060097-005KMSD4	Post Digestion Spike Duplicate			Run: SUB-C103038			06/23/08 11:54		
Uranium	0.0124	mg/L	0.00030	99	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18769		
Sample ID: MB-18769	Method Blank		Run: SUB-C102666				06/13/08 20:04		
Antimony	0.0003	mg/L	0.0002						
Arsenic	0.001	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	0.002	mg/L	5E-05						
Copper	0.003	mg/L	0.0002						
Lead	2E-05	mg/L							
Manganese	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	0.0002	mg/L	0.0002						
Silver	6E-05	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LCS3-18769							Laboratory Control Sample		
							Run: SUB-C102666		
							06/13/08 20:11		
Antimony	0.518	mg/L	0.050	103	85	115			
Arsenic	0.503	mg/L	0.0010	100	85	115			
Barium	0.507	mg/L	0.10	101	85	115			
Beryllium	0.252	mg/L	0.010	101	85	115			
Cadmium	0.244	mg/L	0.010	98	85	115			
Chromium	0.491	mg/L	0.050	98	85	115			
Copper	0.493	mg/L	0.010	98	85	115			
Lead	0.496	mg/L	0.050	99	85	115			
Manganese	2.55	mg/L	0.010	102	85	115			
Molybdenum	0.498	mg/L	0.10	100	85	115			
Nickel	0.487	mg/L	0.050	97	85	115			
Selenium	0.497	mg/L	0.0020	99	85	115			
Strontium	0.497	mg/L	0.10	99	85	115			
Thallium	0.495	mg/L	0.10	99	85	115			
Uranium	0.512	mg/L	0.00032	102	85	115			
Zinc	0.477	mg/L	0.010	95	85	115			
Sample ID: R08050419-004D							Sample Matrix Spike		
							Run: SUB-C102666		
							06/13/08 20:58		
Antimony	0.536	mg/L	0.050	107	70	130			
Arsenic	0.518	mg/L	0.0010	103	70	130			
Barium	0.527	mg/L	0.10	104	70	130			
Beryllium	0.253	mg/L	0.010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18769		
Sample ID: R08050419-004D	Sample Matrix Spike			Run: SUB-C102666			06/13/08 20:58		
Cadmium	0.248	mg/L	0.010	99	70	130			
Chromium	0.498	mg/L	0.050	99	70	130			
Copper	0.504	mg/L	0.010	100	70	130			
Lead	0.503	mg/L	0.050	101	70	130			
Manganese	2.67	mg/L	0.010	104	70	130			
Molybdenum	0.511	mg/L	0.10	102	70	130			
Nickel	0.492	mg/L	0.050	98	70	130			
Selenium	0.504	mg/L	0.0020	101	70	130			
Silver	0.0351	mg/L	0.010	70	70	130			
Strontium	1.39	mg/L	0.10	96	70	130			
Thallium	0.499	mg/L	0.10	100	70	130			
Uranium	0.525	mg/L	0.00032	104	70	130			
Zinc	0.493	mg/L	0.010	97	70	130			
Sample ID: R08050419-004D	Sample Matrix Spike Duplicate			Run: SUB-C102666			06/13/08 21:25		
Antimony	0.557	mg/L	0.050	111	70	130	3.8	20	
Arsenic	0.518	mg/L	0.0010	103	70	130	0.0	20	
Barium	0.557	mg/L	0.10	110	70	130	5.6	20	
Beryllium	0.233	mg/L	0.010	93	70	130	7.9	20	
Cadmium	0.253	mg/L	0.010	101	70	130	1.8	20	
Chromium	0.492	mg/L	0.050	98	70	130	1.1	20	
Copper	0.509	mg/L	0.010	101	70	130	1.0	20	
Lead	0.517	mg/L	0.050	103	70	130	2.8	20	
Manganese	2.65	mg/L	0.010	103	70	130	0.8	20	
Molybdenum	0.522	mg/L	0.10	104	70	130	2.1	20	
Nickel	0.508	mg/L	0.050	101	70	130	3.3	20	
Selenium	0.504	mg/L	0.0020	101	70	130	0.0	20	
Silver	0.0378	mg/L	0.010	76	70	130	7.5	20	
Strontium	1.42	mg/L	0.10	102	70	130	2.1	20	
Thallium	0.511	mg/L	0.10	102	70	130	2.4	20	
Uranium	0.538	mg/L	0.00032	107	70	130	2.5	20	
Zinc	0.500	mg/L	0.010	98	70	130	1.2	20	
Sample ID: MB-18769	Method Blank			Run: SUB-C102823			06/17/08 14:38		
Antimony	0.0008	mg/L	0.0002						
Arsenic	0.001	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Chromium	0.003	mg/L	5E-05						
Copper	0.0005	mg/L	0.0002						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18769		
Sample ID: MB-18769	Method Blank		Run: SUB-C102823				06/17/08 14:38		
Lead	ND	mg/L	5E-05						
Manganese	8E-05	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	0.0001	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	6E-05	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.003	mg/L	0.0003						
Sample ID: LCS3-18769	Laboratory Control Sample		Run: SUB-C102823				06/17/08 14:45		
Antimony	0.569	mg/L	0.050	114	85	115			
Arsenic	0.539	mg/L	0.0010	107	85	115			
Barium	0.543	mg/L	0.10	109	85	115			
Beryllium	0.287	mg/L	0.010	115	85	115			
Cadmium	0.267	mg/L	0.010	107	85	115			
Chromium	0.522	mg/L	0.050	104	85	115			
Copper	0.505	mg/L	0.010	101	85	115			
Lead	0.538	mg/L	0.050	108	85	115			
Manganese	2.65	mg/L	0.010	106	85	115			
Molybdenum	0.532	mg/L	0.10	106	85	115			
Nickel	0.507	mg/L	0.050	101	85	115			
Selenium	0.519	mg/L	0.0010	104	85	115			
Silver	0.0477	mg/L	0.010	95	85	115			
Strontium	0.519	mg/L	0.10	104	85	115			
Thallium	0.539	mg/L	0.10	108	85	115			
Uranium	0.576	mg/L	0.00030	115	85	115			
Zinc	0.494	mg/L	0.010	98	85	115			
Sample ID: R08050419-004D	Sample Matrix Spike		Run: SUB-C102823				06/17/08 16:46		
Antimony	0.568	mg/L	0.050	113	70	130			
Arsenic	0.524	mg/L	0.0010	104	70	130			
Barium	0.566	mg/L	0.10	111	70	130			
Beryllium	0.258	mg/L	0.010	103	70	130			
Cadmium	0.251	mg/L	0.010	101	70	130			
Chromium	0.506	mg/L	0.050	100	70	130			
Copper	0.491	mg/L	0.010	97	70	130			
Lead	0.556	mg/L	0.050	111	70	130			
Manganese	2.60	mg/L	0.010	101	70	130			
Molybdenum	0.568	mg/L	0.10	113	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18769		
Sample ID: R08050419-004D	Sample Matrix Spike			Run: SUB-C102823			06/17/08 16:46		
Nickel	0.500	mg/L	0.050	100	70	130			
Selenium	0.483	mg/L	0.0010	97	70	130			
Silver	0.0452	mg/L	0.010	90	70	130			
Strontium	1.48	mg/L	0.10	112	70	130			
Thallium	0.558	mg/L	0.10	112	70	130			
Uranium	0.623	mg/L	0.00030	124	70	130			
Zinc	0.460	mg/L	0.010	90	70	130			
Sample ID: R08050419-004D	Sample Matrix Spike Duplicate			Run: SUB-C102823			06/17/08 16:52		
Antimony	0.580	mg/L	0.050	116	70	130	2.2	20	
Arsenic	0.530	mg/L	0.0010	106	70	130	1.2	20	
Barium	0.582	mg/L	0.10	115	70	130	2.9	20	
Beryllium	0.264	mg/L	0.010	106	70	130	2.3	20	
Cadmium	0.255	mg/L	0.010	102	70	130	1.4	20	
Chromium	0.517	mg/L	0.050	103	70	130	2.1	20	
Copper	0.496	mg/L	0.010	98	70	130	1.1	20	
Lead	0.571	mg/L	0.050	114	70	130	2.7	20	
Manganese	2.70	mg/L	0.010	105	70	130	3.4	20	
Molybdenum	0.579	mg/L	0.10	115	70	130	1.9	20	
Nickel	0.504	mg/L	0.050	100	70	130	0.8	20	
Selenium	0.489	mg/L	0.0010	98	70	130	1.3	20	
Silver	0.0464	mg/L	0.010	93	70	130	2.5	20	
Strontium	1.49	mg/L	0.10	114	70	130	0.7	20	
Thallium	0.573	mg/L	0.10	115	70	130	2.6	20	
Uranium	0.635	mg/L	0.00030	126	70	130	1.9	20	
Zinc	0.467	mg/L	0.010	91	70	130	1.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: LRB	Method Blank		Run: SUB-C103038				06/22/08 13:02		
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C103038				06/22/08 13:09		
Silver	0.0196	mg/L	0.0010	98	85	115			
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C103038				06/22/08 14:35		
Arsenic	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0527	mg/L	0.0010	105	85	115			
Manganese	0.0530	mg/L	0.0010	106	85	115			
Mercury	0.00507	mg/L	0.0010	101	85	115			
Thorium 232	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Sample ID: R08050419-003C	Post Digestion Spike		Run: SUB-C103038				06/22/08 19:53		
Arsenic	0.0536	mg/L	0.0010	106	70	130			
Cadmium	0.0507	mg/L	0.010	101	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0543	mg/L	0.050	109	70	130			
Manganese	0.136	mg/L	0.010	100	70	130			
Mercury	0.00517	mg/L	0.0010	103	70	130			
Silver	0.0119	mg/L	0.010	60	70	130			S
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0558	mg/L	0.00030	111	70	130			
Sample ID: R08050419-003C	Post Digestion Spike Duplicate		Run: SUB-C103038				06/22/08 20:00		
Arsenic	0.0548	mg/L	0.0010	108	70	130	2.2	20	
Cadmium	0.0519	mg/L	0.010	104	70	130	2.3	20	
Copper	0.0510	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0549	mg/L	0.050	110	70	130	1.2	20	
Manganese	0.138	mg/L	0.010	103	70	130	0.9	20	
Mercury	0.00531	mg/L	0.0010	106	70	130	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 07/30/08

Project: Edgemont

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: R08050419-003C	Post Digestion Spike Duplicate			Run: SUB-C103038			06/22/08 20:00		
Silver	0.0124	mg/L	0.010	62	70	130	4.3	20	S
Thorium 232	0.0571	mg/L	0.0010	114	70	130	1.8	20	
Uranium	0.0567	mg/L	0.00030	113	70	130	1.7	20	
Sample ID: C08060423-001BMS	Sample Matrix Spike			Run: SUB-C103038			06/23/08 02:04		
Arsenic	0.0502	mg/L	0.0010	91	70	130			
Cadmium	0.0433	mg/L	0.0010	87	70	130			
Copper	0.0491	mg/L	0.0010	95	70	130			
Lead	0.0532	mg/L	0.0010	105	70	130			
Manganese	0.0789	mg/L	0.0010	93	70	130			
Mercury	0.00506	mg/L	0.0010	101	70	130			
Silver	0.0155	mg/L	0.0010	77	70	130			
Thorium 232	0.0551	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Sample ID: C08060423-001BMSD	Sample Matrix Spike Duplicate			Run: SUB-C103038			06/23/08 02:11		
Arsenic	0.0527	mg/L	0.0010	96	70	130	4.9	20	
Cadmium	0.0451	mg/L	0.0010	90	70	130	4.1	20	
Copper	0.0526	mg/L	0.0010	102	70	130	6.9	20	
Lead	0.0559	mg/L	0.0010	110	70	130	4.9	20	
Manganese	0.0827	mg/L	0.0010	101	70	130	4.7	20	
Mercury	0.00530	mg/L	0.0010	106	70	130	4.7	20	
Silver	0.0165	mg/L	0.0010	83	70	130	6.4	20	
Thorium 232	0.0588	mg/L	0.0010	117	70	130	6.5	20	
Uranium	0.0583	mg/L	0.00030	116	70	130	5.5	20	
Sample ID: C08060096-001CMS4	Post Digestion Spike			Run: SUB-C103038			06/23/08 03:46		
Arsenic	0.0530	mg/L	0.0010	104	70	130			
Cadmium	0.0504	mg/L	0.010	101	70	130			
Copper	0.0519	mg/L	0.010	102	70	130			
Lead	0.0541	mg/L	0.050	108	70	130			
Manganese	0.110	mg/L	0.010	100	70	130			
Mercury	0.00540	mg/L	0.0010	108	70	130			
Silver	0.0124	mg/L	0.010	62	70	130			S
Thorium 232	0.0559	mg/L	0.0010	112	70	130			
Uranium	0.0622	mg/L	0.00030	112	70	130			
Sample ID: C08060096-001CMSD4	Post Digestion Spike Duplicate			Run: SUB-C103038			06/23/08 03:52		
Arsenic	0.0519	mg/L	0.0010	101	70	130	2.1	20	
Cadmium	0.0486	mg/L	0.010	97	70	130	3.6	20	
Copper	0.0504	mg/L	0.010	99	70	130	2.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: C08060096-001CMSD4	Post Digestion Spike Duplicate			Run: SUB-C103038			06/23/08 03:52		
Lead	0.0527	mg/L	0.050	105	70	130	2.7	20	
Manganese	0.108	mg/L	0.010	97	70	130	1.6	20	
Mercury	0.00516	mg/L	0.0010	103	70	130	4.5	20	
Silver	0.0139	mg/L	0.010	70	70	130	12	20	
Thorium 232	0.0541	mg/L	0.0010	108	70	130	3.3	20	
Uranium	0.0595	mg/L	0.00030	107	70	130	4.4	20	
Method: E200.8							Batch: C_R103200		
Sample ID: LRB	Method Blank			Run: SUB-C103200			06/24/08 11:37		
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank			Run: SUB-C103200			06/24/08 11:44		
Silver	0.0200	mg/L	0.0010	100	85	115			
Sample ID: C08060096-004CMS4	Post Digestion Spike			Run: SUB-C103200			06/24/08 13:59		
Silver	0.0131	mg/L	0.010	66	70	130			S
Sample ID: C08060096-004CMSD4	Post Digestion Spike Duplicate			Run: SUB-C103200			06/24/08 14:26		
Silver	0.0127	mg/L	0.010	63	70	130	3.6	20	S
Method: E200.8							Analytical Run: SUB-C103282		
Sample ID: METHOD BLANK	Initial Calibration Blank, Instrument Blank						06/25/08 11:35		
Uranium	3.5E-06	mg/L	0.0050		0	0			
Sample ID: METHOD BLANK	Initial Calibration Blank, Instrument Blank						06/25/08 16:49		
Uranium	5.2E-06	mg/L	0.0050		0	0			
Sample ID: METHOD BLANK	Initial Calibration Blank, Instrument Blank						06/25/08 23:17		
Uranium	7.1E-06	mg/L	0.0050		0	0			

Qualifiers:

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S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103319		
Sample ID: LRB	Method Blank				Run: SUB-C103319		06/26/08 12:05		
Arsenic	ND	mg/L	6E-05						
Copper	ND	mg/L	7E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C103319		06/26/08 12:12		
Arsenic	0.0490	mg/L	0.0010	98	85	115			
Copper	0.0500	mg/L	0.0010	100	85	115			
Sample ID: C08060581-003AMS	Sample Matrix Spike				Run: SUB-C103319		06/26/08 19:39		
Copper	0.107	mg/L	0.010	100	70	130			
Sample ID: C08060581-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103319		06/26/08 19:46		
Copper	0.104	mg/L	0.010	95	70	130	2.4	20	
Sample ID: C08060558-002AMS4	Post Digestion Spike				Run: SUB-C103319		06/27/08 03:52		
Arsenic	0.255	mg/L	0.0010	94	70	130			
Copper	0.235	mg/L	0.010	90	70	130			
Sample ID: C08060558-002AMSD4	Post Digestion Spike Duplicate				Run: SUB-C103319		06/27/08 03:59		
Arsenic	0.270	mg/L	0.0010	100	70	130	5.4	20	
Copper	0.246	mg/L	0.010	94	70	130	4.6	20	
Method: E245.1							Batch: C_B_33012		
Sample ID: MB-33012	Method Blank				Run: SUB-C102832		06/17/08 09:25		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33012	Laboratory Fortified Blank				Run: SUB-C102832		06/17/08 09:28		
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08060966-003BMS	Sample Matrix Spike				Run: SUB-C102832		06/17/08 11:27		
Mercury	0.0017	mg/L	0.0010	86	70	130			
Sample ID: B08060966-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832		06/17/08 11:29		
Mercury	0.0017	mg/L	0.0010	83	70	130	3.6	30	
Method: E245.1							Analytical Run: SUB-C102832		
Sample ID: QCS	Initial Calibration Verification Standard						06/17/08 09:18		
Mercury	0.0018	mg/L	0.0010	92	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35068		
Sample ID: LFB0805311606-3	Laboratory Fortified Blank			Run: DIONEX_080531A			05/31/08 19:36		
Chloride	4.62	mg/L	0.50	92	90	110			
Fluoride	1.83	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: LFB0805311606-4	Laboratory Fortified Blank			Run: DIONEX_080531A			05/31/08 19:52		
Chloride	4.57	mg/L	0.50	91	90	110			
Fluoride	1.81	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: R08050407-001BMS	Sample Matrix Spike			Run: DIONEX_080531A			05/31/08 20:25		
Chloride	27.0	mg/L	0.50		80	120			A
Fluoride	2.01	mg/L	0.10	90	80	120			
Nitrogen, Nitrate as N	10.5	mg/L	0.10	73	80	120			SE
Nitrogen, Nitrite as N	2.41	mg/L	0.10	96	80	120			
Sulfate	47.9	mg/L	1.0	74	80	120			S
Sample ID: R08050407-001BMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080531A			05/31/08 20:42		
Chloride	26.9	mg/L	0.50		80	120	0.1	10	A
Fluoride	2.00	mg/L	0.10	90	80	120	0.5	10	
Nitrogen, Nitrate as N	10.5	mg/L	0.10	73	80	120	0.1	10	SE
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	80	120	0.4	10	
Sulfate	47.8	mg/L	1.0	74	80	120	0.0	10	S
Sample ID: R08050427-002AMS	Sample Matrix Spike			Run: DIONEX_080531A			06/01/08 00:32		
Chloride	241	mg/L	5.4	87	80	120			
Fluoride	92.5	mg/L	0.56	86	80	120			
Nitrogen, Nitrate as N	117	mg/L	1.3	94	80	120			
Nitrogen, Nitrite as N	123	mg/L	2.9	98	80	120			
Sulfate	1100	mg/L	3.4	85	80	120			
Sample ID: R08050427-002AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080531A			06/01/08 00:48		
Chloride	241	mg/L	5.4	87	80	120	0.3	10	
Fluoride	92.2	mg/L	0.56	85	80	120	0.3	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	93	80	120	0.2	10	
Nitrogen, Nitrite as N	122	mg/L	2.9	98	80	120	0.6	10	
Sulfate	1110	mg/L	3.4	85	80	120	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.
E - Estimated value. Result exceeds the instrument upper quantitation limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0466		
Sample ID: MB-GrAB-0466	Method Blank				Run: SUB-C103442			06/27/08 13:26	
Gross Alpha	-0.4	pCi/L							U
Gross Beta	-0.5	pCi/L							U
Sample ID: C08060305-001AMS	Sample Matrix Spike				Run: SUB-C103442			06/27/08 13:26	
Gross Alpha	150	pCi/L		105	70	130			
Sample ID: C08060305-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103442			06/27/08 13:26	
Gross Alpha	130	pCi/L		97	70	130	8.2	16.6	
Sample ID: UNAT-GrAB-0466	Laboratory Control Sample				Run: SUB-C103442			06/27/08 13:27	
Gross Alpha	130	pCi/L		97	70	130			
Sample ID: Cs137-GrAB-0466	Laboratory Control Sample				Run: SUB-C103442			06/27/08 13:26	
Gross Beta	110	pCi/L		113	70	130			
Sample ID: C08060305-001AMS	Sample Matrix Spike				Run: SUB-C103442			06/27/08 13:26	
Gross Beta	110	pCi/L		120	70	130			
Sample ID: C08060305-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103442			06/27/08 13:27	
Gross Beta	110	pCi/L		115	70	130	5.0	15.8	
Method: E901.1							Batch: C_R102468		
Sample ID: LCS-R102468	Laboratory Control Sample				Run: SUB-C102468			06/04/08 12:00	
Americium 241	690	pCi/L	20	85	70	130			
Cesium 137	1000	pCi/L	20	73	70	130			
Potassium 40	6700	pCi/L	20	100	70	130			
Sample ID: MB-R102468	Method Blank				Run: SUB-C102468			06/04/08 12:00	
Gross Gamma	ND	pCi/L							U
Sample ID: R08050419-004H	Sample Duplicate				Run: SUB-C102468			06/04/08 12:00	
Gross Gamma	230	pCi/L	20				15	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18760
Sample ID: C08051260-001IMS	Sample Matrix Spike					Run: SUB-C102780			06/17/08 09:14
Radium 226	34	pCi/L		108	70	130			
Sample ID: C08051260-001IMSD	Sample Matrix Spike Duplicate					Run: SUB-C102780			06/17/08 09:14
Radium 226	32	pCi/L		97	70	130	6.8	21.5	
Sample ID: MB-18760	Method Blank					Run: SUB-C102780			06/17/08 10:48
Radium 226	-2	pCi/L							U
Sample ID: LCS-18760	Laboratory Control Sample					Run: SUB-C102780			06/17/08 10:48
Radium 226	17	pCi/L		111	70	130			
Method: E903.0									Batch: C_RA226-2856
Sample ID: MB-RA226-2856	Method Blank					Run: SUB-C102973			06/19/08 04:13
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2856	Laboratory Control Sample					Run: SUB-C102973			06/19/08 04:13
Radium 226	6.7	pCi/L		87	70	130			
Sample ID: TAP-WATER-MS	Sample Matrix Spike					Run: SUB-C102973			06/19/08 04:13
Radium 226	6.9	pCi/L		87	70	130			
Sample ID: TAP-WATER-MSD	Sample Matrix Spike Duplicate					Run: SUB-C102973			06/19/08 04:13
Radium 226	6.2	pCi/L		78	70	130	11	24.5	
Method: E907.0									Batch: C_18760
Sample ID: R08050419-002I	Sample Matrix Spike					Run: SUB-C103470			06/13/08 13:30
Thorium 230	22.2	pCi/L	0.20	95	70	130			
Sample ID: R08050419-002I	Sample Matrix Spike Duplicate					Run: SUB-C103470			06/13/08 13:30
Thorium 230	22.6	pCi/L	0.20	98	70	130	1.8	30	
Sample ID: LCS-18760	Laboratory Control Sample					Run: SUB-C103470			06/13/08 13:30
Thorium 230	51.6	pCi/L	0.20	106	70	130			
Sample ID: MB-18760	Method Blank					Run: SUB-C103470			06/13/08 13:30
Thorium 230	ND	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_RA-TH-ISO-0547		
Sample ID: C08060097-005IDUP	Sample Duplicate				Run: SUB-C103919			06/30/08 17:02	
Thorium 230	0.140	pCi/L					21	273.4	U
- No LCS, however the tracer recoveries were acceptable for all samples. The batch is approved.									
Sample ID: MB-RA-TH-ISO-0547	Method Blank				Run: SUB-C103919			06/30/08 21:28	
Thorium 230	0.03	pCi/L							U
Method: E909.0M							Batch: C_18760		
Sample ID: C08051260-002IMS	Sample Matrix Spike				Run: SUB-C103520			06/11/08 06:30	
Lead 210	3000	pCi/L		127	70	130			
Sample ID: C08051260-002IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103520			06/11/08 06:30	
Lead 210	2100	pCi/L		89	70	130	35	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R103520	Method Blank				Run: SUB-C103520			06/11/08 06:30	
Lead 210	ND	pCi/L							U
Sample ID: LCS-R103520	Laboratory Control Sample				Run: SUB-C103520			06/11/08 06:30	
Lead 210	230	pCi/L		98	70	130			
Method: E909.0M							Batch: C_R104574		
Sample ID: C08060289-003FMS	Sample Matrix Spike				Run: SUB-C104574			06/25/08 09:15	
Lead 210	310	pCi/L		106	70	130			
Sample ID: C08060289-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104574			06/25/08 09:15	
Lead 210	450	pCi/L		152	70	130	35	30	SR
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MS are acceptable the batch is approved.									
Sample ID: MB-R104574	Method Blank				Run: SUB-C104574			06/25/08 09:15	
Lead 210	-0.3	pCi/L							U
Sample ID: LCS-R104574	Laboratory Control Sample				Run: SUB-C104574			06/25/08 09:15	
Lead 210	47	pCi/L		80	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050419

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_18760		
Sample ID: C08060130-004FMS	Sample Matrix Spike				Run: SUB-C103721		06/25/08 17:27		
Polonium 210	51	pCi/L	1.0	117	70	130			
Sample ID: C08060130-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C103721		06/25/08 17:27		
Polonium 210	48	pCi/L	1.0	109	70	130	6.9	30	
Sample ID: LCS-18760	Laboratory Control Sample				Run: SUB-C103721		06/25/08 17:27		
Polonium 210	97	pCi/L	1.0	112	70	130			
Sample ID: MB-18760	Method Blank				Run: SUB-C103721		06/25/08 17:27		
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008							Batch: C_R103090		
Sample ID: C08060097-005JMS	Sample Matrix Spike				Run: SUB-C103090		06/17/08 12:00		
Polonium 210	110	pCi/L	1.0	127	70	130			
Sample ID: C08060097-005JMSD	Sample Matrix Spike Duplicate				Run: SUB-C103090		06/17/08 12:00		
Polonium 210	130	pCi/L	1.0	148	70	130	15	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: LCS-R103090	Laboratory Control Sample				Run: SUB-C103090		06/17/08 12:00		
Polonium 210	49	pCi/L	1.0	112	70	130			
Sample ID: MB-R103090	Method Blank				Run: SUB-C103090		06/17/08 12:00		
Polonium 210	0.6	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: KEFEC		Project Name, PWS, Permit, Etc.		Sample Origin		EPA/State Compliance:	
Report Mail Address: LESTER		Contact Name: Dewey Burdock		State: SD		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Invoice Address:		Contact Name: Cori Foreman		Phone/Fax:		Sampler: (Please Print)	
Special Report/Formats - ELI must be notified prior to sample submittal for the following:		Invoice Contact & Phone:		Purchase Order:		Quota/Bottle Order:	
<input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/MMWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____		<input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		Number of Containers Sample Type: AWSVB O Air Water Soils/Solids Vegetation Bioassay Other		Shipped by: Cooler R/T: _____ Receipt Temp: 6.1 °C On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date		Collection Time		MATRIX	
1. Dew Burd GW 7002		5-29-08		10:44		N	
2. Dew Burd GW 7		5-29-08		11:10		W	
3. Dew Burd GW 8		5-29-08		11:41		W	
4. Dew Burd GW 62X		5-29-08		15:02		W	
5. _____		_____		_____		_____	
6. _____		_____		_____		_____	
7. _____		_____		_____		_____	
8. _____		_____		_____		_____	
9. _____		_____		_____		_____	
10. _____		_____		_____		_____	
Custody Record Must be Signed		Relinquished by (print): Cori Foreman		Date/Time: 5-30-08 8:15		Signature: [Signature]	
Sample Disposal: _____		Return to Client: _____		Lab Disposal: _____		Received by Laboratory: _____	
In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.		Signature: [Signature]		Date/Time: 5-30-08 8:15		Signature: [Signature]	

LABORATORY USE ONLY

808050419-001
002
003
004



ANALYTICAL SUMMARY REPORT

July 30, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08050427

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 5/31/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050427-001	DewBurd GW18	05/30/08 11:12	05/31/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050427-002	DewBurd GW42	05/30/08 11:55	05/31/08	Aqueous	Same As Above
R08050427-003	DewBurd GW2	05/30/08 15:21	05/31/08	Aqueous	Same As Above
R08050427-004	DewBurd GW650	05/30/08 16:30	05/31/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: _____

Linda Larson



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-001
Client Sample ID: DewBurd GW18

Report Date: 07/30/08
Collection Date: 05/30/08 11:12
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
MAJOR IONS									
Alkalinity, Total as CaCO3	180	mg/L		5			1	A2320 B	06/02/08 11:53/mb
Carbonate as CO3	ND	mg/L		5			1	A2320 B	06/02/08 11:53/mb
Bicarbonate as HCO3	219	mg/L		5			1	A2320 B	06/02/08 11:53/mb
Calcium	38.0	mg/L		0.5			2	E200.7	06/16/08 18:00/eli-c
Chloride	12	mg/L		1			1	E300.0	05/31/08 23:59/jmh
Fluoride	0.4	mg/L		0.1			1	E300.0	05/31/08 23:59/jmh
Magnesium	13.4	mg/L		0.5			2	E200.7	06/16/08 18:00/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1			1	A4500-NH3 G	06/03/08 13:21/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1			1	E300.0	05/31/08 23:59/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1			1	E300.0	05/31/08 23:59/jmh
Potassium	6.9	mg/L		0.5			2	E200.7	06/16/08 18:00/eli-c
Silica	4.2	mg/L		0.5			2	E200.7	06/16/08 18:00/eli-c
Sodium	291	mg/L	D	2			2	E200.7	06/16/08 18:00/eli-c
Sulfate	492	mg/L	D	3			50	E300.0	05/31/08 23:09/jmh
PHYSICAL PROPERTIES									
Conductivity @ 25 C	1470	umhos/cm		5.0			1	A2510 B	06/02/08 15:08/tb
Oxidation-Reduction Potential	200	mV					1	A2580 B	06/04/08 00:00/jmh
pH	8.10	s.u.		0.01			1	A4500-H B	06/02/08 15:49/tb
Sodium Adsorption Ratio (SAR)	10	unitless		0.10			1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5			1	A2540 C	06/05/08 14:40/mb
METALS - DISSOLVED									
Aluminum	ND	mg/L		0.1			2	E200.7	06/16/08 18:00/eli-c
Arsenic	0.001	mg/L		0.001			1	E200.8	06/23/08 03:39/eli-c
Barium	ND	mg/L		0.1			2	E200.7	06/16/08 18:00/eli-c
Boron	ND	mg/L		0.1			2	E200.7	06/16/08 18:00/eli-c
Cadmium	ND	mg/L		0.005			1	E200.8	06/23/08 03:39/eli-c
Chromium	ND	mg/L		0.05			2	E200.7	06/16/08 18:00/eli-c
Copper	ND	mg/L		0.01			1	E200.8	06/23/08 03:39/eli-c
Iron	ND	mg/L		0.03			2	E200.7	06/16/08 18:00/eli-c
Lead	ND	mg/L		0.001			1	E200.8	06/23/08 03:39/eli-c
Manganese	0.06	mg/L		0.01			1	E200.8	06/23/08 03:39/eli-c
Mercury	ND	mg/L		0.001			1	E200.8	06/23/08 03:39/eli-c
Molybdenum	ND	mg/L		0.1			2	E200.7	06/16/08 18:00/eli-c
Nickel	ND	mg/L		0.05			2	E200.7	06/16/08 18:00/eli-c
Selenium	ND	mg/L		0.001			1	A3114 B	06/20/08 15:38/eli-c
Silver	ND	mg/L		0.005			1	E200.8	06/24/08 13:32/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-001
Client Sample ID: DewBurd GW18

Report Date: 07/30/08
Collection Date: 05/30/08 11:12
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:39/eli-c
Uranium	0.0059	mg/L		0.0003		1	E200.8	06/23/08 03:39/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 18:00/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 18:00/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 02:01/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	27.5	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	4.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	4.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	-1	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	2.6	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	29.6	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 precision (±)	5.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 MDC	8.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.93	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	1.1	pCi/L				1	E903.0	06/19/08 09:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-001
Client Sample ID: DewBurd GW18

Report Date: 07/30/08
Collection Date: 05/30/08 11:12
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/16/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1210	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	92.1	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/14/08 02:37/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	06/14/08 02:37/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/14/08 02:37/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 21:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/14/08 02:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/14/08 02:37/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/14/08 02:37/eli-c
Iron	1.11	mg/L		0.03		2	E200.7	06/13/08 21:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	06/14/08 02:37/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/12/08 10:36/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/14/08 02:37/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/14/08 02:37/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 22:44/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	06/14/08 02:37/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Uranium	0.0062	mg/L		0.0003		1	E200.8	06/14/08 02:37/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/14/08 02:37/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.45	%				1	A1030 E	07/18/08 00:00/jmh
Anions	14.2	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	15.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	973	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-002
Client Sample ID: DewBurd GW42

Report Date: 07/30/08
Collection Date: 05/30/08 11:55
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	176	mg/L		5		1	A2320 B	06/02/08 11:56/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	06/02/08 11:56/mb
Bicarbonate as HCO ₃	215	mg/L		5		1	A2320 B	06/02/08 11:56/mb
Calcium	39.4	mg/L		0.5		2	E200.7	06/16/08 18:04/eli-c
Chloride	11	mg/L		1		1	E300.0	06/01/08 01:04/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/01/08 01:04/jmh
Magnesium	13.5	mg/L		0.5		2	E200.7	06/16/08 18:04/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH ₃ G	06/03/08 13:23/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/01/08 01:04/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/01/08 01:04/jmh
Potassium	6.8	mg/L		0.5		2	E200.7	06/16/08 18:04/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	06/16/08 18:04/eli-c
Sodium	277	mg/L	D	2		2	E200.7	06/16/08 18:04/eli-c
Sulfate	466	mg/L	D	3		50	E300.0	06/01/08 00:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1510	umhos/cm		5.0		1	A2510 B	06/02/08 15:09/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	8.05	s.u.		0.01		1	A4500-H B	06/02/08 15:50/tb
Sodium Adsorption Ratio (SAR)	9.7	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	06/05/08 14:41/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 18:04/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 05:48/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 18:04/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 18:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 05:48/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 18:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 05:48/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 18:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 05:48/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	06/16/08 18:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 05:48/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 18:04/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 18:04/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-002
Client Sample ID: DewBurd GW42

Report Date: 07/30/08
Collection Date: 05/30/08 11:55
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 05:48/eli-c
Uranium	0.0142	mg/L		0.0003		1	E200.8	06/23/08 05:48/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 18:04/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	06/23/08 05:48/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 02:08/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:36/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	558	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	15.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	159	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	17.8	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	100	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	2.0	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	39	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	14.0	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 precision (±)	5.4	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 MDC	8.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/19/08 09:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-002
Client Sample ID: DewBurd GW42

Report Date: 07/30/08
Collection Date: 05/30/08 11:55
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/16/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	219000	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	691	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/14/08 02:43/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	06/14/08 02:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/14/08 02:43/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/14/08 02:43/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 22:02/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/14/08 02:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/14/08 02:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/14/08 02:43/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	06/13/08 22:02/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/14/08 02:43/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	06/14/08 02:43/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/12/08 10:56/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/14/08 02:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/14/08 02:43/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/14/08 02:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 22:51/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	06/14/08 02:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/14/08 02:43/eli-c
Uranium	0.0149	mg/L		0.0003		1	E200.8	06/14/08 02:43/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	06/14/08 02:43/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.08	%				1	A1030 E	07/18/08 00:00/jmh
Anions	13.6	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	15.3	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	932	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

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Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

D - RL increased due to sample matrix interference.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-003
Client Sample ID: DewBurd GW2

Report Date: 07/30/08
Collection Date: 05/30/08 15:21
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	212	mg/L		5		1	A2320 B	06/02/08 11:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:59/mb
Bicarbonate as HCO3	258	mg/L		5		1	A2320 B	06/02/08 11:59/mb
Calcium	57.8	mg/L		0.5		2	E200.7	06/16/08 18:16/eli-c
Chloride	9	mg/L		1		1	E300.0	06/01/08 01:37/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	06/01/08 01:37/jmh
Magnesium	19.0	mg/L		0.5		2	E200.7	06/16/08 18:16/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:26/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/01/08 01:37/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/01/08 01:37/jmh
Potassium	11.0	mg/L		0.5		2	E200.7	06/16/08 18:16/eli-c
Silica	4.3	mg/L		0.5		2	E200.7	06/16/08 18:16/eli-c
Sodium	297	mg/L	D	2		2	E200.7	06/16/08 18:16/eli-c
Sulfate	579	mg/L	D	3		50	E300.0	06/01/08 01:21/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1670	umhos/cm		5.0		1	A2510 B	06/02/08 15:10/tb
Oxidation-Reduction Potential	190	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.92	s.u.		0.01		1	A4500-H B	06/02/08 15:51/tb
Sodium Adsorption Ratio (SAR)	8.7	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	06/05/08 14:41/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 18:16/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 05:55/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 18:16/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/16/08 18:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 05:55/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 18:16/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 05:55/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 18:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 05:55/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	06/23/08 05:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 05:55/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 18:16/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 18:16/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:42/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:46/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-003
Client Sample ID: DewBurd GW2

Report Date: 07/30/08
Collection Date: 05/30/08 15:21
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 05:55/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/23/08 05:55/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 18:16/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 18:16/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 02:15/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:38/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	3.3	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	10.3	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	3.1	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.90	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	2.1	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.4	pCi/L	U			1	E909.0M	06/13/08 07:15/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 MDC	8.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	06/19/08 09:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-003
Client Sample ID: DewBurd GW2

Report Date: 07/30/08
Collection Date: 05/30/08 15:21
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/16/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	727	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	83.8	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/14/08 02:50/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	06/14/08 02:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/14/08 02:50/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/14/08 02:50/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 22:06/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/14/08 02:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/14/08 02:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/14/08 02:50/eli-c
Iron	1.54	mg/L		0.03		2	E200.7	06/13/08 22:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/14/08 02:50/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	06/14/08 02:50/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/12/08 10:59/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/14/08 02:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/14/08 02:50/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/14/08 02:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 22:58/eli-c
Strontium	1.8	mg/L		0.1		1	E200.8	06/14/08 02:50/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/14/08 02:50/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/14/08 02:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/14/08 02:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.25	%				1	A1030 E	07/18/08 00:00/jmh
Anions	16.6	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	17.7	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	1110	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	07/18/08 00:00/imh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

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Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

D - RL increased due to sample matrix interference.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-004
Client Sample ID: DewBurd GW650

Report Date: 07/30/08
Collection Date: 05/30/08 16:30
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	30	mg/L		5		1	A2320 B	06/02/08 12:10/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	06/02/08 12:10/mb
Bicarbonate as HCO ₃	37	mg/L		5		1	A2320 B	06/02/08 12:10/mb
Calcium	125	mg/L		0.5		2	E200.7	06/16/08 18:24/eli-c
Chloride	16	mg/L		1		1	E300.0	06/01/08 02:10/jmh
Fluoride	0.1	mg/L		0.1		1	E300.0	06/01/08 02:10/jmh
Magnesium	70.6	mg/L		0.5		2	E200.7	06/16/08 18:24/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH ₃ G	06/03/08 13:30/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/01/08 02:10/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/01/08 02:10/jmh
Potassium	15.6	mg/L		0.5		2	E200.7	06/16/08 18:24/eli-c
Silica	ND	mg/L		0.5		2	E200.7	06/16/08 18:24/eli-c
Sodium	119	mg/L	D	2		2	E200.7	06/16/08 18:24/eli-c
Sulfate	825	mg/L	D	3		50	E300.0	06/01/08 01:54/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1700	umhos/cm		5.0		1	A2510 B	06/02/08 15:11/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.30	s.u.		0.01		1	A4500-H B	06/02/08 15:52/tb
Sodium Adsorption Ratio (SAR)	2.1	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	1400	mg/L		5		1	A2540 C	06/05/08 14:42/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 18:24/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 06:01/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 18:24/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/16/08 18:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 06:01/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 18:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 06:01/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	06/16/08 18:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 06:01/eli-c
Manganese	0.94	mg/L		0.01		1	E200.8	06/23/08 06:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 06:01/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 18:24/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 18:24/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:52/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-004
Client Sample ID: DewBurd GW650

Report Date: 07/30/08
Collection Date: 05/30/08 16:30
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 06:01/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/23/08 06:01/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 18:24/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 18:24/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 02:21/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.1	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	2.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	10.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	3.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	5.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	1.5	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	1.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.2	pCi/L	U			1	E909.0M	06/13/08 07:15/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 MDC	8.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	-0.02	pCi/L	U			1	E903.0	06/19/08 09:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-004
Client Sample ID: DewBurd GW650

Report Date: 07/30/08
Collection Date: 05/30/08 16:30
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	06/16/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/16/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	254	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	77.0	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/14/08 02:57/eli-c
Arsenic	0.002	mg/L	D	0.002		1	E200.8	06/14/08 02:57/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/14/08 02:57/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/14/08 02:57/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/13/08 22:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/14/08 02:57/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/14/08 02:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/14/08 02:57/eli-c
Iron	8.99	mg/L		0.03		2	E200.7	06/13/08 22:10/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	06/14/08 02:57/eli-c
Manganese	0.66	mg/L		0.01		2	E200.7	06/13/08 22:10/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/12/08 11:05/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/14/08 02:57/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/14/08 02:57/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/14/08 02:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 23:05/eli-c
Strontium	2.6	mg/L		0.1		1	E200.8	06/14/08 02:57/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/14/08 02:57/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/14/08 02:57/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	06/14/08 02:57/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.40	%				1	A1030 E	07/18/08 00:00/jmh
Anions	18.2	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	17.7	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	1190	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.13					1	A1030 E	07/18/08 00:00/jmh

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080602A-ALK-SEL-W							
Sample ID: LCS1_080602A	Laboratory Control Sample				Run: PH_COND1-R_080602A		06/02/08 10:56		
Alkalinity, Total as CaCO ₃	960	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080602A	Method Blank				Run: PH_COND1-R_080602A		06/02/08 12:28		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08050406-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080602A		06/02/08 11:35		
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	98	80	120			
Sample ID: R08050406-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080602A		06/02/08 11:38		
Alkalinity, Total as CaCO ₃	244	mg/L	5.0	100	80	120	0.8	10	
Method: A2510 B		Batch: 080602_2_COND-PROBE-W							
Sample ID: LCS_COND-1_080602	Laboratory Control Sample				Run: PH_COND2-R_080602A		06/02/08 14:54		
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: LCS1-1_080602	Laboratory Control Sample				Run: PH_COND2-R_080602A		06/02/08 14:55		
Conductivity @ 25 C	156	umhos/cm	5.0	104	90	110			
Sample ID: LCS2-1_080602	Laboratory Control Sample				Run: PH_COND2-R_080602A		06/02/08 14:57		
Conductivity @ 25 C	4900	umhos/cm	5.0	98	90	110			
Sample ID: MBLK-1_080602	Method Blank				Run: PH_COND2-R_080602A		06/02/08 14:59		
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08050427-004A	Sample Duplicate				Run: PH_COND2-R_080602A		06/02/08 15:13		
Conductivity @ 25 C	1640	umhos/cm	5.0				3.6	10	
Method: A2540 C		Batch: 080605A-SLDS-TDS-W							
Sample ID: LCS1_080605A	Laboratory Control Sample				Run: BAL-4-R_080605A		06/05/08 14:38		
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	107	90	110			
Sample ID: MBLK1_080605A	Method Blank				Run: BAL-4-R_080605A		06/05/08 14:40		
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08060018-007BMS	Sample Matrix Spike				Run: BAL-4-R_080605A		06/05/08 14:46		
Solids, Total Dissolved TDS @ 180 C	2100	mg/L	5.0	138	80	120			S
Sample ID: R08060018-007BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080605A		06/05/08 14:46		
Solids, Total Dissolved TDS @ 180 C	2100	mg/L	5.0	148	80	120	0.9	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080604-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080604B		06/04/08 00:00		
Oxidation-Reduction Potential	470	mV		100	95	105			
Sample ID: R08050427-004F	Sample Duplicate				Run: PH_COND1-R_080604B		06/04/08 00:00		
Oxidation-Reduction Potential	200	mV					0.5	10	
Method: A3114 B							Analytical Run: SUB-C102993		
Sample ID: 288-92-2	Initial Calibration Verification Standard						06/20/08 09:57		
Selenium-IV	0.053	mg/L	0.0010	105	90	110			
Method: A3114 B							Batch: C_SE3114-080620A		
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C102993		06/20/08 10:11		
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C102993		06/20/08 10:45		
Selenium-IV	0.069	mg/L	0.0010	137	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C102993		06/20/08 10:48		
Selenium-IV	0.075	mg/L	0.0010	151	85	115	9.3	10	S
Method: A3114 B							Batch: C_SE3114-080620C		
Sample ID: MBLK	Method Blank				Run: SUB-C103018		06/20/08 15:10		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C103018		06/20/08 15:14		
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C103018		06/20/08 15:48		
Selenium	0.073	mg/L	0.0010	146	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C103018		06/20/08 15:50		
Selenium	0.073	mg/L	0.0010	145	85	115	0.0	10	S
Method: A4500-H B							Batch: 080602_1_PH-W		
Sample ID: LCS_pH-1_080602	Laboratory Control Sample				Run: PH_COND2-R_080602B		06/02/08 15:39		
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060006-001ADUP	Sample Duplicate				Run: PH_COND2-R_080602B		06/02/08 15:55		
pH	7.56	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2008-06-03_2_NH3_01							
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080603A			06/03/08 11:58
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080603A			06/03/08 12:01
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080603A			06/03/08 12:14
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08050427-003BMS	Sample Matrix Spike					Run: TECHAA2-R_080603A			06/03/08 13:27
Nitrogen, Ammonia as N	0.57	mg/L	0.10	90	80	120			
Sample ID: R08050427-003BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080603A			06/03/08 13:28
Nitrogen, Ammonia as N	0.58	mg/L	0.10	94	80	120	1.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102753		
Sample ID: MB-080616A	Method Blank		Run: SUB-C102753				06/16/08 15:33		
Silica	ND	mg/L	0.02						
Aluminum	0.01	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080616A	Laboratory Fortified Blank		Run: SUB-C102753				06/16/08 15:37		
Silica	0.37	mg/L	0.10	92	85	125			
Aluminum	0.99	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.00	mg/L	0.10	98	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	52	mg/L	0.50	104	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Vanadium	1.0	mg/L	0.10	104	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: C08060096-002CMS2	Sample Matrix Spike		Run: SUB-C102753				06/16/08 18:08		
Aluminum	1.95	mg/L	0.10	98	70	130			
Barium	2.08	mg/L	0.10	104	70	130			
Boron	2.10	mg/L	0.10	102	70	130			
Chromium	2.09	mg/L	0.050	104	70	130			
Iron	2.14	mg/L	0.030	106	70	130			
Manganese	2.13	mg/L	0.010	103	70	130			
Molybdenum	2.00	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R102753		
Sample ID: C08060096-002CMS2	Sample Matrix Spike		Run: SUB-C102753				06/16/08 18:08		
Nickel	2.06	mg/L	0.050	103	70	130			
Vanadium	2.12	mg/L	0.10	104	70	130			
Zinc	2.10	mg/L	0.010	104	70	130			
Calcium	141	mg/L	1.0	102	70	130			
Magnesium	117	mg/L	1.0	104	70	130			
Potassium	98.4	mg/L	1.0	92	70	130			
Silica	4.58	mg/L	0.10		70	130			A
Sodium	372	mg/L	1.5	95	70	130			
Sample ID: C08060096-002CMSD2	Sample Matrix Spike Duplicate		Run: SUB-C102753				06/16/08 18:12		
Aluminum	1.98	mg/L	0.10	99	70	130	1.6	20	
Barium	2.12	mg/L	0.10	106	70	130	2.0	20	
Boron	2.16	mg/L	0.10	105	70	130	2.9	20	
Chromium	2.13	mg/L	0.050	106	70	130	1.9	20	
Iron	2.16	mg/L	0.030	108	70	130	1.2	20	
Manganese	2.17	mg/L	0.010	105	70	130	1.9	20	
Molybdenum	2.06	mg/L	0.10	103	70	130	3.2	20	
Nickel	2.12	mg/L	0.050	106	70	130	2.4	20	
Vanadium	2.21	mg/L	0.10	108	70	130	4.1	20	
Zinc	2.15	mg/L	0.010	106	70	130	2.4	20	
Calcium	145	mg/L	1.0	106	70	130	2.7	20	
Magnesium	121	mg/L	1.0	107	70	130	2.7	20	
Potassium	99.1	mg/L	1.0	92	70	130	0.7	20	
Silica	4.65	mg/L	0.10		70	130	1.3	20	A
Sodium	369	mg/L	1.5	92	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: LRB	Method Blank		Run: SUB-C103038				06/22/08 13:02		
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Zinc	0.0005	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C103038				06/22/08 14:35		
Arsenic	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0527	mg/L	0.0010	105	85	115			
Manganese	0.0530	mg/L	0.0010	106	85	115			
Mercury	0.00507	mg/L	0.0010	101	85	115			
Thorium 232	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Zinc	0.0554	mg/L	0.0010	110	85	115			
Sample ID: R08050419-003C	Post Digestion Spike		Run: SUB-C103038				06/22/08 19:53		
Arsenic	0.0536	mg/L	0.0010	106	70	130			
Cadmium	0.0507	mg/L	0.010	101	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0543	mg/L	0.050	109	70	130			
Manganese	0.136	mg/L	0.010	100	70	130			
Mercury	0.00517	mg/L	0.0010	103	70	130			
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0558	mg/L	0.00030	111	70	130			
Zinc	0.0511	mg/L	0.010	96	70	130			
Sample ID: R08050419-003C	Post Digestion Spike Duplicate		Run: SUB-C103038				06/22/08 20:00		
Arsenic	0.0548	mg/L	0.0010	108	70	130	2.2	20	
Cadmium	0.0519	mg/L	0.010	104	70	130	2.3	20	
Copper	0.0510	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0549	mg/L	0.050	110	70	130	1.2	20	
Manganese	0.138	mg/L	0.010	103	70	130	0.9	20	
Mercury	0.00531	mg/L	0.0010	106	70	130	2.7	20	
Thorium 232	0.0571	mg/L	0.0010	114	70	130	1.8	20	
Uranium	0.0567	mg/L	0.00030	113	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103038		
Sample ID: R08050419-003C	Post Digestion Spike Duplicate			Run: SUB-C103038			06/22/08 20:00		
Zinc	0.0522	mg/L	0.010	98	70	130	2.2	20	
Sample ID: C08060423-001BMS	Sample Matrix Spike			Run: SUB-C103038			06/23/08 02:04		
Arsenic	0.0502	mg/L	0.0010	91	70	130			
Cadmium	0.0433	mg/L	0.0010	87	70	130			
Copper	0.0491	mg/L	0.0010	95	70	130			
Lead	0.0532	mg/L	0.0010	105	70	130			
Manganese	0.0789	mg/L	0.0010	93	70	130			
Mercury	0.00506	mg/L	0.0010	101	70	130			
Thorium 232	0.0551	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Zinc	0.142	mg/L	0.0010	71	70	130			
Sample ID: C08060423-001BMSD	Sample Matrix Spike Duplicate			Run: SUB-C103038			06/23/08 02:11		
Arsenic	0.0527	mg/L	0.0010	96	70	130	4.9	20	
Cadmium	0.0451	mg/L	0.0010	90	70	130	4.1	20	
Copper	0.0526	mg/L	0.0010	102	70	130	6.9	20	
Lead	0.0559	mg/L	0.0010	110	70	130	4.9	20	
Manganese	0.0827	mg/L	0.0010	101	70	130	4.7	20	
Mercury	0.00530	mg/L	0.0010	106	70	130	4.7	20	
Thorium 232	0.0588	mg/L	0.0010	117	70	130	6.5	20	
Uranium	0.0583	mg/L	0.00030	116	70	130	5.5	20	
Zinc	0.150	mg/L	0.0010	86	70	130	5.1	20	
Method: E200.8							Batch: C_R103200		
Sample ID: LRB	Method Blank			Run: SUB-C103200			06/24/08 11:37		
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank			Run: SUB-C103200			06/24/08 11:44		
Silver	0.0200	mg/L	0.0010	100	85	115			
Sample ID: C08060096-004CMS4	Post Digestion Spike			Run: SUB-C103200			06/24/08 13:59		
Silver	0.0131	mg/L	0.010	66	70	130			S
Sample ID: C08060096-004CMSD4	Post Digestion Spike Duplicate			Run: SUB-C103200			06/24/08 14:26		
Silver	0.0127	mg/L	0.010	63	70	130	3.6	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35068		
Sample ID: LFB0805311606-3	Laboratory Fortified Blank			Run: DIONEX_080531A			05/31/08 19:36		
Chloride	4.62	mg/L	0.50	92	90	110			
Fluoride	1.83	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: LFB0805311606-4	Laboratory Fortified Blank			Run: DIONEX_080531A			05/31/08 19:52		
Chloride	4.57	mg/L	0.50	91	90	110			
Fluoride	1.81	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: R08050427-002AMS	Sample Matrix Spike			Run: DIONEX_080531A			06/01/08 00:32		
Chloride	241	mg/L	5.4	87	80	120			
Fluoride	92.5	mg/L	0.56	86	80	120			
Nitrogen, Nitrate as N	117	mg/L	1.3	94	80	120			
Nitrogen, Nitrite as N	123	mg/L	2.9	98	80	120			
Sulfate	1100	mg/L	3.4	85	80	120			
Sample ID: R08050427-002AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080531A			06/01/08 00:48		
Chloride	241	mg/L	5.4	87	80	120	0.3	10	
Fluoride	92.2	mg/L	0.56	85	80	120	0.3	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	93	80	120	0.2	10	
Nitrogen, Nitrite as N	122	mg/L	2.9	98	80	120	0.6	10	
Sulfate	1110	mg/L	3.4	85	80	120	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0466		
Sample ID: MB-GrAB-0466	Method Blank				Run: SUB-C103442			06/27/08 13:26	
Gross Alpha	-0.4	pCi/L							U
Gross Beta	-0.5	pCi/L							U
Sample ID: C08060305-001AMS	Sample Matrix Spike				Run: SUB-C103442			06/27/08 13:26	
Gross Alpha	150	pCi/L		105	70	130			
Sample ID: C08060305-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103442			06/27/08 13:26	
Gross Alpha	130	pCi/L		97	70	130	8.2	16.6	
Sample ID: UNAT-GrAB-0466	Laboratory Control Sample				Run: SUB-C103442			06/27/08 13:27	
Gross Alpha	130	pCi/L		97	70	130			
Sample ID: C08060305-001AMS	Sample Matrix Spike				Run: SUB-C103442			06/27/08 13:26	
Gross Beta	110	pCi/L		120	70	130			
Sample ID: C08060305-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103442			06/27/08 13:27	
Gross Beta	110	pCi/L		115	70	130	5.0	15.8	
Method: E903.0							Batch: C_RA226-2856		
Sample ID: MB-RA226-2856	Method Blank				Run: SUB-C102973			06/19/08 04:13	
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2856	Laboratory Control Sample				Run: SUB-C102973			06/19/08 04:13	
Radium 226	6.7	pCi/L		87	70	130			
Sample ID: TAP-WATER-MS	Sample Matrix Spike				Run: SUB-C102973			06/19/08 04:13	
Radium 226	6.9	pCi/L		87	70	130			
Sample ID: TAP-WATER-MSD	Sample Matrix Spike Duplicate				Run: SUB-C102973			06/19/08 04:13	
Radium 226	6.2	pCi/L		78	70	130	11	24.5	
Method: E907.0							Batch: C_R103514		
Sample ID: C08060096-003HMS	Sample Matrix Spike				Run: SUB-C103514			06/16/08 13:30	
Thorium 230	12.4	pCi/L	0.20	102	70	130			
Sample ID: C08060096-003HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103514			06/16/08 13:30	
Thorium 230	11.0	pCi/L	0.20	90	70	130	12	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 07/30/08

Work Order: R08050427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R103750		
Sample ID: R08050356-004K	Sample Matrix Spike				Run: SUB-C103750		07/01/08 14:30		
Polonium 210	180	pCi/L	1.0	109	70	130			
Sample ID: R08050356-004K	Sample Matrix Spike Duplicate				Run: SUB-C103750		07/01/08 14:30		
Polonium 210	170	pCi/L	1.0	101	70	130	8.2	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT - Provide as much information as possible.

Company Name: LESPEL		Project Name, PWS, Permit, Etc. Power Tech Dewey Burdock		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: LESPEL		Contact Name: Power Tech Dewey Burdock		Email: car.venture	Sampler: (Please Print) Car Venture
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - EI must be notified prior to sample submittal for the following:					
<div><input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/MWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____</div> <div><input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC</div>					
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	
1. DewBurd GW 18		5/30/08	11:12	W	
2. DewBurd GW 42		5/30/08	11:55	W	
3. DewBurd GW 2		5/30/08	15:21	W	
4. DewBurd GW 650		5/30/08	16:30	W	
5.					
6.					
7.					
8.					
9.					
10.					
Custody Record Must be Signed		Relinquished by (print): Car Venture		Signature: [Signature]	
Sample Disposal: Return to Client:		Lab Disposal:		Received by (print): J. Hartman	
				Date/Time: 5/30/08 15:15	
				Signature: [Signature]	
				Received by Laboratory:	
				Date/Time:	
				Signature:	

ANALYSIS REQUESTED

SEE ATTACHED
Normal Turnaround (TAT)

RUSH

Contact EI prior to RUSH sample submittal for charges and scheduling - See Instruction Page

Comments:

Receipt Temp
4.2 °C

On lock
Yes No

Custody Seal
Y N

Intact
Y N

Signature
Y N

Match
Y N

LABORATORY USE ONLY

Don Anderson well

Set 25

Prime downhole

Set 7

Wayne Peterson well

Set 9

Jenel stock tank

Set 12

old

004

003

487-002

008050437.001

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

August 15, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08060210

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 6/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060210-001	DewBurd GW680	06/10/08 10:50	06/11/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08060210-002	DewBurd GW688	06/10/08 16:37	06/11/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Linda Larson

Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-001
Client Sample ID: DewBurd GW680

Report Date: 08/15/08
Collection Date: 06/10/08 10:50
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	188	mg/L		5		1	A2320 B	06/12/08 14:28/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/12/08 14:28/mb
Bicarbonate as HCO3	229	mg/L		5		1	A2320 B	06/12/08 14:28/mb
Calcium	415	mg/L		0.5		2	E200.7	06/26/08 15:14/eli-c
Chloride	12	mg/L		1		1	E300.0	06/12/08 18:45/eli-g
Fluoride	0.3	mg/L		0.1		1	E300.0	06/12/08 18:45/eli-g
Magnesium	134	mg/L		0.5		2	E200.7	06/26/08 15:14/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 10:56/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/12/08 18:45/eli-g
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/12/08 18:45/eli-g
Potassium	19.3	mg/L		0.5		2	E200.7	06/26/08 15:14/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	06/26/08 15:14/eli-c
Sodium	134	mg/L	D	2		2	E200.7	06/26/08 15:14/eli-c
Sulfate	1410	mg/L		1		10	E300.0	06/12/08 18:19/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3060	umhos/cm		5.0		1	A2510 B	06/18/08 09:34/tb
Oxidation-Reduction Potential	130	mV				1	A2580 B	06/17/08 00:00/jmh
pH	7.32	s.u.		0.01		1	A4500-H B	06/16/08 14:02/tb
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	07/30/08 11:38/ADM
Solids, Total Dissolved TDS @ 180 C	2500	mg/L		5		1	A2540 C	06/13/08 12:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/26/08 15:14/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/04/08 01:47/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/26/08 15:14/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/26/08 15:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/04/08 01:47/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/26/08 15:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/04/08 01:47/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	06/26/08 15:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/04/08 01:47/eli-c
Manganese	0.49	mg/L		0.01		2	E200.7	06/26/08 15:14/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/04/08 01:47/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/26/08 15:14/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/26/08 15:14/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:14/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 11:40/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

Page 1 of 6



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-001
Client Sample ID: DewBurd GW680

Report Date: 08/15/08
Collection Date: 06/10/08 10:50
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/04/08 01:47/eli-c
Uranium	0.0227	mg/L		0.0003		1	E200.8	07/04/08 01:47/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/26/08 15:14/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/26/08 15:14/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/02/08 07:04/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:11/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4370	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Alpha precision (±)	60.4	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Alpha MDC	7.8	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta	1320	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta precision (±)	17.9	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta MDC	9.5	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Lead 210	15.7	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.8	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	06/30/08 12:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	06/30/08 12:00/eli-c
Radium 226	1410	pCi/L				1	E903.0	07/15/08 21:51/eli-c
Radium 226 precision (±)	10.9	pCi/L				1	E903.0	07/15/08 21:51/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/08/08 22:11/eli-c
Thorium 230 precision (±)	0.04	pCi/L				1	E907.0	07/08/08 22:11/eli-c
Gross Gamma	5700	pCi/L		20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	390	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	12.0	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Lead 210 precision (±)	6.5	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Lead 210 MDC	10.6	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	06/30/08 12:00/eli-c
Polonium 210 precision (±)	0.57	pCi/L				1	RMO-3008	06/30/08 12:00/eli-c
Radium 226	4.4	pCi/L				1	E903.0	07/08/08 09:54/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Page 2 of 6



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-001
Client Sample ID: DewBurd GW680

Report Date: 08/15/08
Collection Date: 06/10/08 10:50
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
RADIONUCLIDES - SUSPENDED									
Radium 226 precision (±)	0.6	pCi/L					1	E903.0	07/08/08 09:54/eli-c
Radium 226 MDC	0.3	pCi/L					1	E903.0	07/08/08 09:54/eli-c
Thorium 230	0.1	pCi/L	U	0.2			1	E907.0	07/01/08 19:21/eli-c
Thorium 230 precision (±)	0.1	pCi/L					1	E907.0	07/01/08 19:21/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	91700	pCi/L		100			1	D5072-92	06/16/08 16:08/eli-c
Radon 222 precision (±)	525	pCi/L					1	D5072-92	06/16/08 16:08/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			1	E200.8	06/27/08 05:40/eli-c
Arsenic	0.005	mg/L	D	0.002			1	E200.8	06/27/08 05:40/eli-c
Barium	ND	mg/L		0.1			2	E200.7	06/18/08 23:09/eli-c
Beryllium	ND	mg/L		0.001			1	E200.8	06/27/08 05:40/eli-c
Boron	0.1	mg/L		0.1			2	E200.7	06/18/08 23:09/eli-c
Cadmium	ND	mg/L		0.005			1	E200.8	06/27/08 05:40/eli-c
Chromium	ND	mg/L		0.05			2	E200.7	06/18/08 23:09/eli-c
Copper	ND	mg/L		0.01			2	E200.7	06/18/08 23:09/eli-c
Iron	0.28	mg/L		0.03			2	E200.7	06/18/08 23:09/eli-c
Lead	ND	mg/L		0.001			1	E200.8	06/27/08 05:40/eli-c
Manganese	0.48	mg/L		0.01			2	E200.7	06/18/08 23:09/eli-c
Mercury	ND	mg/L		0.0001			1	E245.1	06/21/08 10:32/eli-b
Molybdenum	ND	mg/L		0.1			2	E200.7	06/18/08 23:09/eli-c
Nickel	ND	mg/L		0.05			2	E200.7	06/18/08 23:09/eli-c
Selenium	ND	mg/L		0.001			1	E200.8	06/27/08 05:40/eli-c
Silver	ND	mg/L		0.005			1	E200.8	07/07/08 19:27/eli-c
Strontium	8.1	mg/L		0.1			2	E200.7	06/18/08 23:09/eli-c
Thallium	ND	mg/L		0.001			1	E200.8	06/27/08 05:40/eli-c
Uranium	0.0244	mg/L		0.0003			1	E200.8	06/27/08 05:40/eli-c
Zinc	0.01	mg/L		0.01			2	E200.7	06/18/08 23:09/eli-c
DATA QUALITY									
A/C Balance (± 5)	6.54	%					1	A1030 E	07/30/08 00:00/jmh
Anions	33.4	meq/L					1	A1030 E	07/30/08 00:00/jmh
Cations	38.1	meq/L					1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	2250	mg/L					1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.10						1	A1030 E	07/30/08 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-002
Client Sample ID: DewBurd GW688

Report Date: 08/15/08
Collection Date: 06/10/08 16:37
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	100	mg/L		5		1	A2320 B	06/12/08 14:57/mb
Carbonate as CO ₃	7	mg/L		5		1	A2320 B	06/12/08 14:57/mb
Bicarbonate as HCO ₃	107	mg/L		5		1	A2320 B	06/12/08 14:57/mb
Calcium	34.1	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Chloride	11	mg/L		1		1	E300.0	06/12/08 19:10/eli-g
Fluoride	0.5	mg/L		0.1		1	E300.0	06/12/08 19:10/eli-g
Magnesium	16.6	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH ₃ G	06/19/08 10:57/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/12/08 19:10/eli-g
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/12/08 19:10/eli-g
Potassium	12.5	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Silica	3.7	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Sodium	195	mg/L	D	2		2	E200.7	06/26/08 15:26/eli-c
Sulfate	398	mg/L		1		5	E300.0	06/12/08 18:57/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1260	umhos/cm		5.0		1	A2510 B	06/18/08 09:38/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	06/17/08 00:00/jmh
pH	8.82	s.u.		0.01		1	A4500-H B	06/16/08 14:03/tb
Sodium Adsorption Ratio (SAR)	6.9	unitless		0.10		1	Calculation	07/30/08 11:38/ADM
Solids, Total Dissolved TDS @ 180 C	740	mg/L		5		1	A2540 C	06/13/08 12:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/04/08 02:00/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/04/08 02:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/26/08 15:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/04/08 02:00/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/26/08 15:26/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/04/08 02:00/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	06/26/08 15:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/04/08 02:00/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/26/08 15:26/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 11:47/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-002
Client Sample ID: DewBurd GW688

Report Date: 08/15/08
Collection Date: 06/10/08 16:37
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/04/08 02:00/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/04/08 02:00/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/26/08 15:26/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/02/08 07:08/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:13/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	17.3	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta	17.1	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta MDC	3.2	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Lead 210	-0.5	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/30/08 12:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/30/08 12:00/eli-c
Radium 226	2.5	pCi/L				1	E903.0	07/15/08 23:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/15/08 23:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/09/08 12:34/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	07/09/08 12:34/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.8	pCi/L	U			1	E909.0M	07/08/08 09:00/eli-c
Lead 210 precision (±)	6.4	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Lead 210 MDC	10.6	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/30/08 12:00/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/30/08 12:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	07/08/08 09:54/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-002
Client Sample ID: DewBurd GW688

Report Date: 08/15/08
Collection Date: 06/10/08 16:37
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.1	pCi/L	U	0.2		1	E903.0	07/08/08 09:54/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/08/08 09:54/eli-c
Thorium 230	0.1	pCi/L				1	E907.0	07/01/08 19:21/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/01/08 19:21/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	749	pCi/L		100		1	D5072-92	06/16/08 16:08/eli-c
Radon 222 precision (±)	105	pCi/L				1	D5072-92	06/16/08 16:08/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L	D	0.003		1	E200.8	06/27/08 05:47/eli-c
Arsenic	ND	mg/L		0.002	1	E200.8	06/27/08 05:47/eli-c	
Barium	ND	mg/L		0.1	2	E200.7	06/18/08 23:13/eli-c	
Beryllium	ND	mg/L		0.001	1	E200.8	06/27/08 05:47/eli-c	
Boron	ND	mg/L		0.1	2	E200.7	06/18/08 23:13/eli-c	
Cadmium	ND	mg/L		0.005	1	E200.8	06/27/08 05:47/eli-c	
Chromium	ND	mg/L		0.05	2	E200.7	06/18/08 23:13/eli-c	
Copper	ND	mg/L		0.01	2	E200.7	06/18/08 23:13/eli-c	
Iron	0.15	mg/L		0.03	2	E200.7	06/18/08 23:13/eli-c	
Lead	ND	mg/L		0.001	1	E200.8	06/27/08 05:47/eli-c	
Manganese	0.01	mg/L		0.01	2	E200.7	06/18/08 23:13/eli-c	
Mercury	ND	mg/L		0.0001	1	E245.1	06/23/08 19:47/eli-b	
Molybdenum	ND	mg/L		0.1	2	E200.7	06/18/08 23:13/eli-c	
Nickel	ND	mg/L		0.05	2	E200.7	06/18/08 23:13/eli-c	
Selenium	ND	mg/L		0.001	1	E200.8	06/27/08 05:47/eli-c	
Silver	ND	mg/L		0.005	1	E200.8	07/07/08 19:34/eli-c	
Strontium	1.1	mg/L	0.1	2	E200.7	06/18/08 23:13/eli-c		
Thallium	ND	mg/L	0.001	1	E200.8	06/27/08 05:47/eli-c		
Uranium	ND	mg/L	0.0003	1	E200.8	06/27/08 05:47/eli-c		
Zinc	ND	mg/L	0.01	2	E200.7	06/18/08 23:13/eli-c		
DATA QUALITY								
A/C Balance (± 5)	5.73	%				1	A1030 E	07/30/08 00:00/jmh
Anions	10.6	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	11.9	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	738	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080612A-ALK-SEL-W							
Sample ID: LCS1_080612A Alkalinity, Total as CaCO ₃	Laboratory Control Sample 936	mg/L	5.0	94	90	110			06/12/08 12:38
Run: PH_COND1-R_080612A									06/12/08 12:40
Sample ID: MBLK1_080612A Alkalinity, Total as CaCO ₃	Method Blank ND	mg/L	3						06/12/08 12:40
Run: PH_COND1-R_080612A									06/12/08 14:17
Sample ID: R08060199-002AMS Alkalinity, Total as CaCO ₃	Sample Matrix Spike 304	mg/L	5.0	106	80	120			06/12/08 14:17
Run: PH_COND1-R_080612A									06/12/08 14:22
Sample ID: R08060199-002AMSD Alkalinity, Total as CaCO ₃	Sample Matrix Spike Duplicate 308	mg/L	5.0	109	80	120	1.3	10	06/12/08 14:22
Run: PH_COND1-R_080612A									
Method: A2510 B		Batch: 080618_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080618 Conductivity @ 25 C	Laboratory Control Sample 1390	umhos/cm	5.0	98	90	110			06/18/08 09:20
Run: PH_COND2-R_080618A									06/18/08 09:21
Sample ID: LCS1-1_080618 Conductivity @ 25 C	Laboratory Control Sample 150	umhos/cm	5.0	100	90	110			06/18/08 09:21
Run: PH_COND2-R_080618A									06/18/08 09:23
Sample ID: LCS2-1_080618 Conductivity @ 25 C	Laboratory Control Sample 5060	umhos/cm	5.0	101	90	110			06/18/08 09:23
Run: PH_COND2-R_080618A									06/18/08 09:24
Sample ID: MBLK-1_080618 Conductivity @ 25 C	Method Blank ND	umhos/cm	5						06/18/08 09:24
Run: PH_COND2-R_080618A									06/18/08 09:38
Sample ID: R08060210-002ADUP Conductivity @ 25 C	Sample Duplicate 1210	umhos/cm	5.0				4.0	10	06/18/08 09:38
Run: PH_COND2-R_080618A									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 080613A-SLDS-TDS-W		
Sample ID: LCS1_080613A	Laboratory Control Sample				Run: BAL-4-R_080616B			06/13/08 11:48	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	109	90	110			
Sample ID: MBLK1_080613A	Method Blank				Run: BAL-4-R_080616B			06/13/08 11:36	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060199-001AMS	Sample Matrix Spike				Run: BAL-4-R_080616B			06/13/08 11:59	
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	5.0	110	80	120			
Sample ID: R08060199-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080616B			06/13/08 12:00	
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	5.0	115	80	120	0.9	10	
Sample ID: R08060228-004AMS	Sample Matrix Spike				Run: BAL-4-R_080616B			06/13/08 12:06	
Solids, Total Dissolved TDS @ 180 C	2000	mg/L	5.0	107	80	120			
Sample ID: R08060228-004AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080616B			06/13/08 12:07	
Solids, Total Dissolved TDS @ 180 C	2000	mg/L	5.0	113	80	120	0.6	10	
Method: A2580 B							Batch: 080617-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080617A			06/17/08 00:00	
Oxidation-Reduction Potential	470	mV		99	95	105			
Sample ID: R08060210-002F	Sample Duplicate				Run: PH_COND1-R_080617A			06/17/08 00:00	
Oxidation-Reduction Potential	180	mV					0.7	10	
Method: A3114 B							Analytical Run: SUB-C102993		
Sample ID: 288-92-2	Initial Calibration Verification Standard							06/20/08 09:57	
Selenium-IV	0.053	mg/L	0.0010	105	90	110			
Method: A3114 B							Batch: C_SE3114-080620A		
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C102993			06/20/08 10:11	
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: C08060097-001HMS	Sample Matrix Spike				Run: SUB-C102993			06/20/08 11:18	
Selenium-IV	0.046	mg/L	0.0010	93	85	115			
Sample ID: C08060097-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102993			06/20/08 11:20	
Selenium-IV	0.048	mg/L	0.0010	96	85	115	3.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080620C		
Sample ID: MBLK	Method Blank					Run: SUB-C103018			06/20/08 15:10
Selenium	ND	mg/L	6E-05						
Sample ID: 288-92-2	Laboratory Control Sample					Run: SUB-C103018			06/20/08 15:14
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: C08060097-001HMS	Sample Matrix Spike					Run: SUB-C103018			06/20/08 16:20
Selenium	0.044	mg/L	0.0010	87	85	115			
Sample ID: C08060097-001HMSD	Sample Matrix Spike Duplicate					Run: SUB-C103018			06/20/08 16:22
Selenium	0.044	mg/L	0.0010	89	85	115	1.8	10	
Method: A4500-H B							Batch: 080616_3_PH-W		
Sample ID: LCS_pH-1_080616	Laboratory Control Sample					Run: PH_COND2-R_080616B			06/16/08 13:55
pH	6.90	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060241-001BDUP	Sample Duplicate					Run: PH_COND2-R_080616B			06/16/08 14:05
pH	7.46	s.u.	0.010				0.1	1.25	
Method: A4500-NH3 G							Batch: A2008-06-19_2_NH3_01		
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080619A			06/19/08 10:10
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080619A			06/19/08 10:12
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080619A			06/19/08 10:22
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	90	110			S
Sample ID: R08060199-003CMS	Sample Matrix Spike					Run: TECHAA2-R_080619A			06/19/08 10:54
Nitrogen, Ammonia as N	0.25	mg/L	0.10	101	80	120			
Sample ID: R08060199-003CMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080619A			06/19/08 10:55
Nitrogen, Ammonia as N	0.24	mg/L	0.10	94	80	120	7.0	10	
Method: D5072-92							Batch: C_R102830		
Sample ID: MB-R102830	Method Blank					Run: SUB-C102830			06/16/08 16:08
Radon 222	7	pCi/L							
Sample ID: LCS-R102830	Laboratory Control Sample					Run: SUB-C102830			06/16/08 16:08
Radon 222	302	pCi/L	100	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18864		
Sample ID: MB-18864	Method Blank		Run: SUB-C102898				06/18/08 21:07		
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	0.01	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.003	mg/L	0.001						
Sample ID: LCS3-18864	Laboratory Control Sample		Run: SUB-C102898				06/18/08 21:11		
Barium	0.501	mg/L	0.10	100	85	115			
Boron	0.508	mg/L	0.10	102	85	115			
Chromium	0.505	mg/L	0.050	101	85	115			
Copper	0.506	mg/L	0.010	101	85	115			
Iron	2.71	mg/L	0.030	108	85	115			
Manganese	2.54	mg/L	0.010	102	85	115			
Molybdenum	0.498	mg/L	0.10	100	85	115			
Nickel	0.502	mg/L	0.050	100	85	115			
Strontium	0.499	mg/L	0.10	100	85	115			
Zinc	0.513	mg/L	0.010	102	85	115			
Sample ID: R08060210-002D	Sample Matrix Spike		Run: SUB-C102898				06/18/08 23:17		
Barium	0.522	mg/L	0.10	101	70	130			
Boron	0.557	mg/L	0.10	103	70	130			
Chromium	0.513	mg/L	0.050	103	70	130			
Copper	0.519	mg/L	0.010	104	70	130			
Iron	2.91	mg/L	0.030	110	70	130			
Manganese	2.58	mg/L	0.010	102	70	130			
Molybdenum	0.512	mg/L	0.10	102	70	130			
Nickel	0.499	mg/L	0.050	100	70	130			
Strontium	1.60	mg/L	0.10	99	70	130			
Zinc	0.525	mg/L	0.010	104	70	130			
Sample ID: R08060210-002D	Sample Matrix Spike Duplicate		Run: SUB-C102898				06/18/08 23:21		
Barium	0.529	mg/L	0.10	103	70	130	1.3	20	
Boron	0.542	mg/L	0.10	100	70	130	2.7	20	
Chromium	0.499	mg/L	0.050	100	70	130	2.7	20	
Copper	0.521	mg/L	0.010	104	70	130	0.4	20	
Iron	2.92	mg/L	0.030	111	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/15/08

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18864		
Sample ID: R08060210-002D		Sample Matrix Spike Duplicate			Run: SUB-C102898			06/18/08 23:21	
Manganese	2.65	mg/L	0.010	105	70	130	2.7	20	
Molybdenum	0.511	mg/L	0.10	102	70	130	0.1	20	
Nickel	0.480	mg/L	0.050	96	70	130	3.8	20	
Strontium	1.67	mg/L	0.10	113	70	130	4.3	20	
Zinc	0.512	mg/L	0.010	101	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/15/08

Project: Edgemont

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.7							Batch: C_R103332			
Sample ID: MB-080626A	Method Blank		Run: SUB-C103332				06/26/08 15:06			
Silica	ND	mg/L	0.02							
Aluminum	ND	mg/L	0.004							
Barium	ND	mg/L	0.006							
Boron	ND	mg/L	0.008							
Calcium	ND	mg/L	0.1							
Chromium	ND	mg/L	0.002							
Iron	ND	mg/L	0.005							
Magnesium	ND	mg/L	0.04							
Manganese	ND	mg/L	0.0003							
Molybdenum	0.003	mg/L	0.003							
Nickel	ND	mg/L	0.004							
Potassium	ND	mg/L	0.02							
Sodium	ND	mg/L	0.8							
Vanadium	ND	mg/L	0.003							
Zinc	ND	mg/L	0.002							
Sample ID: LFB-080626A							Laboratory Fortified Blank		Run: SUB-C103332	06/26/08 15:10
Silica	0.39	mg/L	0.10	98	85	125				
Aluminum	1.0	mg/L	0.10	103	85	125				
Barium	0.99	mg/L	0.10	99	85	125				
Boron	1.0	mg/L	0.10	102	85	125				
Calcium	54	mg/L	0.50	107	85	125				
Chromium	1.0	mg/L	0.050	102	85	125				
Iron	1.1	mg/L	0.030	105	85	125				
Magnesium	54	mg/L	0.50	109	85	125				
Manganese	1.0	mg/L	0.010	100	85	125				
Molybdenum	0.99	mg/L	0.10	99	85	125				
Nickel	1.00	mg/L	0.050	100	85	125				
Potassium	47	mg/L	0.50	94	85	125				
Sodium	52	mg/L	0.77	104	85	125				
Vanadium	1.0	mg/L	0.10	101	85	125				
Zinc	1.0	mg/L	0.010	102	85	125				
Sample ID: R08060210-001C							Sample Matrix Spike		Run: SUB-C103332	06/26/08 15:18
Aluminum	2.07	mg/L	0.10	104	70	130				
Barium	2.11	mg/L	0.10	105	70	130				
Boron	2.30	mg/L	0.10	107	70	130				
Chromium	2.14	mg/L	0.050	107	70	130				
Iron	2.22	mg/L	0.030	108	70	130				
Manganese	2.59	mg/L	0.010	105	70	130				
Molybdenum	2.06	mg/L	0.10	103	70	130				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/15/08

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103332		
Sample ID: R08060210-001C	Sample Matrix Spike			Run: SUB-C103332			06/26/08 15:18		
Nickel	2.11	mg/L	0.050	105	70	130			
Vanadium	2.22	mg/L	0.10	110	70	130			
Zinc	2.15	mg/L	0.010	107	70	130			
Calcium	511	mg/L	1.0		70	130			A
Magnesium	242	mg/L	1.0	108	70	130			
Potassium	108	mg/L	1.0	88	70	130			
Silica	4.99	mg/L	0.10		70	130			A
Sodium	238	mg/L	1.5	103	70	130			
Sample ID: R08060210-001C	Sample Matrix Spike Duplicate			Run: SUB-C103332			06/26/08 15:22		
Aluminum	2.19	mg/L	0.10	110	70	130	5.6	20	
Barium	2.13	mg/L	0.10	106	70	130	1.0	20	
Boron	2.30	mg/L	0.10	107	70	130	0.2	20	
Chromium	2.17	mg/L	0.050	108	70	130	1.2	20	
Iron	2.26	mg/L	0.030	110	70	130	1.7	20	
Manganese	2.59	mg/L	0.010	105	70	130	0.0	20	
Molybdenum	2.06	mg/L	0.10	103	70	130	0.0	20	
Nickel	2.14	mg/L	0.050	107	70	130	1.7	20	
Vanadium	2.21	mg/L	0.10	110	70	130	0.3	20	
Zinc	2.16	mg/L	0.010	108	70	130	0.7	20	
Calcium	517	mg/L	1.0		70	130	1.2	20	A
Magnesium	242	mg/L	1.0	108	70	130	0.2	20	
Potassium	108	mg/L	1.0	89	70	130	0.6	20	
Silica	4.99	mg/L	0.10		70	130	0.0	20	A
Sodium	238	mg/L	1.5	104	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18864		
Sample ID: MB-18864	Method Blank		Run: SUB-C103319				06/27/08 04:06		
Antimony	ND	mg/L	0.0002						
Arsenic	0.001	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	0.0001	mg/L							
Selenium	ND	mg/L	0.0002						
Silver	0.0001	mg/L	4E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18864	Laboratory Control Sample		Run: SUB-C103319				06/27/08 04:12		
Antimony	0.556	mg/L	0.050	111	85	115			
Arsenic	0.513	mg/L	0.0010	102	85	115			
Beryllium	0.253	mg/L	0.010	101	85	115			
Cadmium	0.255	mg/L	0.010	102	85	115			
Lead	0.537	mg/L	0.050	107	85	115			
Selenium	0.497	mg/L	0.0010	99	85	115			
Silver	0.0503	mg/L	0.010	100	85	115			
Thallium	0.544	mg/L	0.10	109	85	115			
Sample ID: R08060210-002D	Sample Matrix Spike		Run: SUB-C103319				06/27/08 05:54		
Antimony	0.550	mg/L	0.050	110	70	130			
Arsenic	0.488	mg/L	0.0010	97	70	130			
Beryllium	0.235	mg/L	0.010	94	70	130			
Cadmium	0.234	mg/L	0.010	93	70	130			
Lead	0.514	mg/L	0.050	103	70	130			
Selenium	0.452	mg/L	0.0010	90	70	130			
Silver	0.0467	mg/L	0.010	93	70	130			
Thallium	0.529	mg/L	0.10	106	70	130			
Uranium	0.597	mg/L	0.00030	119	70	130			
Sample ID: R08060210-002D	Sample Matrix Spike Duplicate		Run: SUB-C103319				06/27/08 06:00		
Antimony	0.557	mg/L	0.050	111	70	130	1.3	20	
Arsenic	0.500	mg/L	0.0010	100	70	130	2.3	20	
Beryllium	0.237	mg/L	0.010	95	70	130	0.9	20	
Cadmium	0.243	mg/L	0.010	97	70	130	3.8	20	
Lead	0.537	mg/L	0.050	107	70	130	4.3	20	
Selenium	0.460	mg/L	0.0010	92	70	130	1.8	20	
Silver	0.0484	mg/L	0.010	97	70	130	3.7	20	
Thallium	0.539	mg/L	0.10	108	70	130	1.9	20	
Uranium	0.584	mg/L	0.00030	117	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/15/08

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18884
Sample ID: LCS1-18884	Laboratory Control Sample					Run: SUB-C103282			06/26/08 05:54
Uranium	0.0498	mg/L	0.00030	95	80	120			
Sample ID: C08060805-005FMS	Sample Matrix Spike					Run: SUB-C103282			06/26/08 08:29
Uranium	0.0122	mg/L	0.00030	90	70	130			
Sample ID: C08060805-005FMSD	Sample Matrix Spike Duplicate					Run: SUB-C103282			06/26/08 08:33
Uranium	0.0125	mg/L	0.00030	92	70	130	2.5	20	
Sample ID: MB-18884	Method Blank					Run: SUB-C103591			07/02/08 07:00
Uranium	0.0004	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103735		
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C103735				07/03/08 12:39		
Arsenic	0.0545	mg/L	0.0010	109	85	115			
Cadmium	0.0539	mg/L	0.0010	108	85	115			
Copper	0.0547	mg/L	0.0010	109	85	115			
Lead	0.0535	mg/L	0.0010	107	85	115			
Mercury	0.00530	mg/L	0.0010	104	85	115			
Thorium 232	0.0532	mg/L	0.0010	106	85	115			
Uranium	0.0535	mg/L	0.00030	107	85	115			
Re-running for Ag.									
Sample ID: C08060235-001AMS	Sample Matrix Spike		Run: SUB-C103735				07/03/08 12:59		
Uranium	0.068	mg/L	0.0010	114	70	130			
Sample ID: C08060235-001AMSD	Sample Matrix Spike Duplicate		Run: SUB-C103735				07/03/08 13:06		
Uranium	0.069	mg/L	0.0010	118	70	130	2.7	20	
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C103735				07/03/08 16:54		
Arsenic	0.0521	mg/L	0.0010	104	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0520	mg/L	0.0010	104	85	115			
Lead	0.0525	mg/L	0.0010	105	85	115			
Mercury	0.00520	mg/L	0.0010	102	85	115			
Thorium 232	0.0504	mg/L	0.0010	101	85	115			
Uranium	0.0504	mg/L	0.00030	101	85	115			
Sample ID: C08060706-002BMS4	Post Digestion Spike		Run: SUB-C103735				07/04/08 03:08		
Arsenic	0.0541	mg/L	0.0010	107	70	130			
Cadmium	0.0488	mg/L	0.010	95	70	130			
Copper	0.0499	mg/L	0.010	96	70	130			
Lead	0.0536	mg/L	0.050	107	70	130			
Mercury	0.00523	mg/L	0.0010	105	70	130			
Thorium 232	0.0571	mg/L	0.0010	114	70	130			
Uranium	0.0627	mg/L	0.00030	113	70	130			
Sample ID: C08060706-002BMSD4	Post Digestion Spike Duplicate		Run: SUB-C103735				07/04/08 03:15		
Arsenic	0.0541	mg/L	0.0010	107	70	130	0.0	20	
Cadmium	0.0497	mg/L	0.010	97	70	130	1.9	20	
Copper	0.0499	mg/L	0.010	96	70	130	0.2	20	
Lead	0.0539	mg/L	0.050	108	70	130	0.6	20	
Mercury	0.00535	mg/L	0.0010	107	70	130	2.2	20	
Thorium 232	0.0573	mg/L	0.0010	115	70	130	0.4	20	
Uranium	0.0629	mg/L	0.00030	114	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/15/08

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R103823		
Sample ID: LRB	Method Blank					Run: SUB-C103823			07/07/08 14:02
Silver	7E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank					Run: SUB-C103823			07/07/08 14:09
Silver	0.0210	mg/L	0.0010	105	85	115			
Sample ID: C08060805-004DMS4	Post Digestion Spike					Run: SUB-C103823			07/07/08 14:36
Silver	0.0838	mg/L	0.010	84	70	130			
Sample ID: C08060805-004DMSD4	Post Digestion Spike Duplicate					Run: SUB-C103823			07/07/08 14:43
Silver	0.0855	mg/L	0.010	85	70	130	2.1	20	
Sample ID: C08061335-006AMS4	Post Digestion Spike					Run: SUB-C103823			07/07/08 16:11
Silver	0.00980	mg/L	0.010	49	70	130			S
Sample ID: C08061335-006AMSD4	Post Digestion Spike Duplicate					Run: SUB-C103823			07/07/08 16:17
Silver	0.00900	mg/L	0.010	45	70	130	0.0	20	S
Method: E245.1							Batch: C_B_33083		
Sample ID: MB-33083	Method Blank					Run: SUB-C103198			06/21/08 08:04
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33083	Laboratory Fortified Blank					Run: SUB-C103198			06/21/08 08:07
Mercury	0.0021	mg/L	0.0010	106	85	115			
Sample ID: B08061452-005CMS	Sample Matrix Spike					Run: SUB-C103198			06/21/08 09:57
Mercury	0.0018	mg/L	0.0010	90	70	130			
Sample ID: B08061452-005CMSD	Sample Matrix Spike Duplicate					Run: SUB-C103198			06/21/08 10:02
Mercury	0.0017	mg/L	0.0010	84	70	130	8.0	30	
Method: E245.1							Batch: C_B_33106		
Sample ID: MB-33106	Method Blank					Run: SUB-C103264			06/23/08 19:36
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33106	Laboratory Fortified Blank					Run: SUB-C103264			06/23/08 19:38
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08061470-001B MS	Sample Matrix Spike					Run: SUB-C103264			06/23/08 19:43
Mercury	0.0018	mg/L	0.0010	91	70	130			
Sample ID: B08061470-001B MSD	Sample Matrix Spike Duplicate					Run: SUB-C103264			06/23/08 19:45
Mercury	0.0021	mg/L	0.0010	103	70	130	13	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Analytical Run: SUB-C103198		
Sample ID: QCS	Initial Calibration Verification Standard						06/21/08 07:48		
Mercury	0.0022	mg/L	0.0010	107	90	110			
Method: E245.1							Analytical Run: SUB-C103264		
Sample ID: QCS	Initial Calibration Verification Standard						06/23/08 19:27		
Mercury	0.0019	mg/L	0.0010	94	90	110			
Method: E300.0							Batch: G_R160439		
Sample ID: LCS	Laboratory Control Sample			Run: SUB-G160439			06/11/08 11:31		
Chloride	28.7	mg/L	1.0	95	90	110			
Fluoride	19.8	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	22.2	mg/L	0.10	96	90	110			
Nitrogen, Nitrite as N	28.9	mg/L	0.10	95	90	110			
Sulfate	141	mg/L	1.0	94	90	110			
Sample ID: MBLK	Method Blank			Run: SUB-G160439			06/11/08 11:43		
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Nitrogen, Nitrate as N	ND	mg/L	0.008						
Nitrogen, Nitrite as N	ND	mg/L	0.002						
Sulfate	ND	mg/L	0.04						
Sample ID: G08060437-001AMS	Sample Matrix Spike			Run: SUB-G160439			06/12/08 17:54		
Chloride	198	mg/L	1.0	100	80	120			
Fluoride	19.6	mg/L	0.10	99	80	120			
Nitrogen, Nitrate as N	19.2	mg/L	0.10	98	80	120			
Nitrogen, Nitrite as N	20.0	mg/L	0.10	102	80	120			
Sulfate	576	mg/L	1.0	98	80	120			
Sample ID: G08060437-001AMSD	Sample Matrix Spike Duplicate			Run: SUB-G160439			06/12/08 18:07		
Chloride	198	mg/L	1.0	99	80	120	0.2	20	
Fluoride	19.6	mg/L	0.10	99	80	120	0.1	20	
Nitrogen, Nitrate as N	19.2	mg/L	0.10	98	80	120	0.1	20	
Nitrogen, Nitrite as N	19.9	mg/L	0.10	102	80	120	0.4	20	
Sulfate	573	mg/L	1.0	96	80	120	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/15/08

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0475		
Sample ID: MB-GrAB-0475	Method Blank				Run: SUB-C104225			07/10/08 21:30	
Gross Alpha	2	pCi/L							
Gross Beta	-2	pCi/L							U
Sample ID: UNAT-GrAB-0475	Laboratory Control Sample				Run: SUB-C104225			07/10/08 21:30	
Gross Alpha	130	pCi/L		91	70	130			
Sample ID: C08060630-001AMS	Sample Matrix Spike				Run: SUB-C104225			07/10/08 21:30	
Gross Alpha	310	pCi/L		158	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS the MS are acceptable the batch is approved.									
Sample ID: C08060630-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104225			07/10/08 21:30	
Gross Alpha	250	pCi/L		120	70	130	19	16.1	R
Sample ID: Cs137-GrAB-0475	Laboratory Control Sample				Run: SUB-C104225			07/10/08 21:30	
Gross Beta	100	pCi/L		110	70	130			
Sample ID: C08060630-001AMS	Sample Matrix Spike				Run: SUB-C104225			07/10/08 21:30	
Gross Beta	120	pCi/L		98	70	130			
Sample ID: C08060630-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104225			07/11/08 09:45	
Gross Beta	120	pCi/L		101	70	130	2.0	15.4	
Method: E901.1							Batch: C_R102941		
Sample ID: LCS-R102941	Laboratory Control Sample				Run: SUB-C102941			06/17/08 16:05	
Americium 241	29000	pCi/L	20	92	70	130			
Cesium 137	270000	pCi/L	20	101	70	130			
Cobalt 60	71000	pCi/L	20	102	70	130			
Sample ID: MB-R102941	Method Blank				Run: SUB-C102941			06/17/08 16:05	
Gross Gamma	ND	pCi/L							U
Sample ID: C08060096-004HDUP	Sample Duplicate				Run: SUB-C102941			06/17/08 16:05	
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/15/08

Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18884		
Sample ID: C08060704-003FMS Radium 226	Sample Matrix Spike 180	pCi/L		112	70	130			07/08/08 09:54
Sample ID: C08060704-003FMSD Radium 226	Sample Matrix Spike Duplicate 180	pCi/L		116	70	130	1.0	21.6	07/08/08 09:54
Sample ID: LCS-18884 Radium 226	Laboratory Control Sample 15	pCi/L		99	70	130			07/08/08 11:32
Sample ID: MB-18884 Radium 226	Method Blank -1	pCi/L							07/08/08 11:32 U
Method: E903.0							Batch: C_RA226-2915		
Sample ID: C08060570-001AMS Radium 226	Sample Matrix Spike 21	pCi/L		112	70	130			07/15/08 16:23
Sample ID: C08060570-001AMSD Radium 226	Sample Matrix Spike Duplicate 21	pCi/L		110	70	130	1.7	21.8	07/15/08 16:23
Sample ID: MB-RA226-2915 Radium 226	Method Blank -0.1	pCi/L							07/15/08 23:27 U
Sample ID: LCS-RA226-2915 Radium 226	Laboratory Control Sample 8.5	pCi/L		108	70	130			07/15/08 23:27
Method: E907.0							Batch: C_18884		
Sample ID: C08060721-001AMS Thorium 230	Sample Matrix Spike 44.3	pCi/Filter	0.20	90	70	130			07/16/08 09:48
Sample ID: C08060721-001AMSD Thorium 230	Sample Matrix Spike Duplicate 47.8	pCi/Filter	0.20	98	70	130	7.7	67.1	07/16/08 09:50
Sample ID: LCS-18884 Thorium 230	Laboratory Control Sample 21.2	pCi/L	0.20	88	70	130			07/03/08 20:05
Sample ID: MB-18884 Thorium 230	Method Blank 1	pCi/L							07/03/08 20:05 U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_RA-TH-ISO-0556		
Sample ID: LCS-RA-TH-ISO-0556	Laboratory Control Sample				Run: SUB-C104256				07/08/08 22:11
Thorium 230	5.46	pCi/L	0.20	91	70	130			
Sample ID: R08060210-001H	Sample Matrix Spike				Run: SUB-C104256				07/09/08 12:34
Thorium 230	47.6	pCi/L	0.20	96	70	130			
Sample ID: R08060210-001H	Sample Matrix Spike Duplicate				Run: SUB-C104256				07/09/08 12:34
Thorium 230	42.3	pCi/L	0.20	89	70	130	12	30	
Sample ID: MB-RA-TH-ISO-0556	Method Blank				Run: SUB-C104256				07/09/08 12:34
Thorium 230	0.009	pCi/L							U
Method: E909.0M							Batch: C_18884		
Sample ID: R08060210-002I	Sample Matrix Spike				Run: SUB-C105000				07/08/08 09:00
Lead 210	1500	pCi/L		129	70	130			
Sample ID: R08060210-002I	Sample Matrix Spike Duplicate				Run: SUB-C105000				07/08/08 09:00
Lead 210	1200	pCi/L		99	70	130	26	30	
Sample ID: MB-R105000	Method Blank				Run: SUB-C105000				07/08/08 09:00
Lead 210	4	pCi/L							U
Sample ID: LCS-R105000	Laboratory Control Sample				Run: SUB-C105000				07/08/08 09:00
Lead 210	140	pCi/L		118	70	130			
Method: E909.0M							Batch: C_R104574		
Sample ID: C08060289-003FMS	Sample Matrix Spike				Run: SUB-C104574				06/25/08 09:15
Lead 210	310	pCi/L		106	70	130			
Sample ID: C08060289-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104574				06/25/08 09:15
Lead 210	450	pCi/L		152	70	130	35	30	SR
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MS are acceptable the batch is approved.									
Sample ID: MB-R104574	Method Blank				Run: SUB-C104574				06/25/08 09:15
Lead 210	-0.3	pCi/L							U
Sample ID: LCS-R104574	Laboratory Control Sample				Run: SUB-C104574				06/25/08 09:15
Lead 210	47	pCi/L		80	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R103733		
Sample ID: R08060210-002H	Sample Matrix Spike				Run: SUB-C103733			06/30/08 12:00	
Polonium 210	80	pCi/L	1.0	93	70	130			
Sample ID: R08060210-002H	Sample Matrix Spike Duplicate				Run: SUB-C103733			06/30/08 12:00	
Polonium 210	84	pCi/L	1.0	98	70	130	5.1	30	
Sample ID: LCS-R103733	Laboratory Control Sample				Run: SUB-C103733			06/30/08 12:00	
Polonium 210	48	pCi/L	1.0	109	70	130			
Sample ID: MB-R103733	Method Blank				Run: SUB-C103733			06/30/08 12:00	
Polonium 210	0.3	pCi/L							U
Method: RMO-3008							Batch: C_R103734		
Sample ID: C08060805-005FMS	Sample Matrix Spike				Run: SUB-C103734			06/30/08 12:00	
Polonium 210	42	pCi/L	1.0	96	70	130			
Sample ID: C08060805-005FMSD	Sample Matrix Spike Duplicate				Run: SUB-C103734			06/30/08 12:00	
Polonium 210	47	pCi/L	1.0	107	70	130	11	30	
Sample ID: LCS-18884	Laboratory Control Sample				Run: SUB-C103734			06/30/08 12:00	
Polonium 210	97	pCi/L	1.0	112	70	130			
Sample ID: MB-18884	Method Blank				Run: SUB-C103734			06/30/08 12:00	
Polonium 210	ND	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC		Project Name, PWS, Permit, Etc. PowerTech Dewey Burdock		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address:		Contact Name: PowerTech Dewey Burdock Phone/Fax:		Email:	Sampler: (Please Print) Eric Krayne
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following:					
<input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: <input type="checkbox"/> Other:		<input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		Number of Containers Sample Type: AWS V B O Air Water Soils/Solids Vegetation Bioassay Other	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	
1 Dew Burd Gw 680		6/10/08	10:50	W	
2 Dew Burd Gw 688		6/10/08	16:37	W	
3					
4					
5					
6					
7					
8					
9					
10					
Custody Record Must be Signed		ANALYSIS REQUESTED			
Relinquished by (print): Eric Krayne		Signature: Eric Krayne			
Relinquished by (print): Steve Froiland		Signature: Steve Froiland			
Date/Time: 6/10/08 0930		Date/Time: 6-11-08 9:30			
Sample Disposal: Return to Client		Lab Disposal:		Received by Laboratory:	
Date/Time:		Date/Time:		Signature:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

August 20, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08060335 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 6/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060335-001	DewBurd GW619	06/17/08 18:10	06/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Linda Larson

Rapid City - Project Manager



Date: 20-Aug-08

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08060335

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08060996

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

End of comments imported for SUBBED Workorder: C08060996



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060335-001
Client Sample ID: DewBurd GW619

Report Date: 08/20/08
Collection Date: 06/17/08 18:10
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	116	mg/L		5		1	A2320 B	06/25/08 11:06/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:06/mb
Bicarbonate as HCO3	141	mg/L		5		1	A2320 B	06/25/08 11:06/mb
Calcium	375	mg/L		0.5		2	E200.7	07/08/08 19:08/eli-c
Chloride	9	mg/L		1		1	E300.0	06/20/08 01:16/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	06/20/08 01:16/jmh
Magnesium	129	mg/L		0.5		2	E200.7	07/08/08 19:08/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:24/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/20/08 01:16/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/20/08 01:16/jmh
Potassium	17.6	mg/L		0.5		2	E200.7	07/08/08 19:08/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	07/08/08 19:08/eli-c
Sodium	90	mg/L	D	2		2	E200.7	07/08/08 19:08/eli-c
Sulfate	1230	mg/L	D	3		50	E300.0	06/20/08 00:27/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2390	umhos/cm		5.0		1	A2510 B	06/19/08 14:52/tb
Oxidation-Reduction Potential	150	mV				1	A2580 B	06/23/08 00:00/jmh
pH	7.82	s.u.		0.01		1	A4500-H B	06/19/08 12:22/tb
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.10		1	Calculation	08/20/08 11:24/ADM
Solids, Total Dissolved TDS @ 180 C	2000	mg/L		5		1	A2540 C	06/20/08 08:26/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/08/08 19:08/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/17/08 17:01/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 19:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 19:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 17:01/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 19:08/eli-c
Copper	0.01	mg/L		0.01		1	E200.8	07/17/08 17:01/eli-c
Iron	3.03	mg/L		0.03		2	E200.7	07/08/08 19:08/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	07/17/08 17:01/eli-c
Manganese	1.74	mg/L		0.01		2	E200.7	07/08/08 19:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 17:01/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 19:08/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 19:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 17:01/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060335-001
Client Sample ID: DewBurd GW619

Report Date: 08/20/08
Collection Date: 06/17/08 18:10
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 17:01/eli-c
Uranium	0.0016	mg/L		0.0003		1	E200.8	07/17/08 17:01/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 19:08/eli-c
Zinc	0.03	mg/L		0.01		2	E200.7	07/08/08 19:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/17/08 22:45/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:37/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	398	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Alpha precision (±)	19.5	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Alpha MDC	8.8	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Beta	144	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Beta precision (±)	7.7	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Beta MDC	9.3	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Lead 210	-1.1	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 MDC	8.4	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	07/09/08 18:40/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	07/09/08 18:40/eli-c
Radium 226	110	pCi/L				1	E903.0	07/16/08 08:37/eli-c
Radium 226 precision (±)	1.8	pCi/L				1	E903.0	07/16/08 08:37/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/17/08 12:48/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/17/08 12:48/eli-c
Gross Gamma	270	pCi/L		20		1	E901.1	06/20/08 16:37/eli-c
Gross Gamma precision (±)	52	pCi/L				1	E901.1	06/20/08 16:37/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.0	pCi/L	U			1	E909.0M	07/14/08 09:30/eli-c
Lead 210 precision (±)	10.9	pCi/L				1	E909.0M	07/14/08 09:30/eli-c
Lead 210 MDC	18.2	pCi/L				1	E909.0M	07/14/08 09:30/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	8.8	pCi/L				1	E903.0	07/15/08 14:46/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Page 2 of 3



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060335-001
Client Sample ID: DewBurd GW619

Report Date: 08/20/08
Collection Date: 06/17/08 18:10
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.0	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/13/08 18:14/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/13/08 18:14/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	5770	pCi/L		100		1	D5072-92	06/21/08 07:14/eli-c
Radon 222 precision (±)	118	pCi/L				1	D5072-92	06/21/08 07:14/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/26/08 15:22/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/26/08 15:22/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/26/08 15:22/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 21:45/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 23:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/26/08 15:22/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/26/08 15:22/eli-c
Copper	0.01	mg/L		0.01		1	E200.8	06/26/08 15:22/eli-c
Iron	13.0	mg/L		0.03		2	E200.7	07/08/08 23:04/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	06/26/08 15:22/eli-c
Manganese	1.65	mg/L		0.01		1	E200.8	06/26/08 15:22/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	06/30/08 08:13/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/26/08 15:22/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/26/08 15:22/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/26/08 15:22/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/26/08 15:22/eli-c
Strontium	5.4	mg/L		0.1		1	E200.8	06/26/08 15:22/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/26/08 15:22/eli-c
Uranium	0.0018	mg/L		0.0003		1	E200.8	06/26/08 15:22/eli-c
Zinc	0.08	mg/L		0.01		1	E200.8	06/26/08 15:22/eli-c
DATA QUALITY								
A/C Balance (± 5)	9.08	%				1	A1030 E	08/20/08 00:00/lkl
Anions	28.3	meq/L				1	A1030 E	08/20/08 00:00/lkl
Cations	34.0	meq/L				1	A1030 E	08/20/08 00:00/lkl
Solids, Total Dissolved Calculated	1940	mg/L				1	A1030 E	08/20/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	08/20/08 00:00/lkl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Page 3 of 3



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B							Batch: 080625A-ALK-SEL-W		
Sample ID: LCS1_080625A Alkalinity, Total as CaCO ₃	Laboratory Control Sample 964	mg/L	5.0	96	90	110			06/25/08 09:31
Sample ID: MBLK1_080625A Alkalinity, Total as CaCO ₃	Method Blank ND	mg/L	3						06/25/08 09:34
Sample ID: R08060319-002DMS Alkalinity, Total as CaCO ₃	Sample Matrix Spike 392	mg/L	5.0	98	80	120			06/25/08 10:59
Sample ID: R08060319-002DMSD Alkalinity, Total as CaCO ₃	Sample Matrix Spike Duplicate 390	mg/L	5.0	96	80	120	0.5	10	06/25/08 11:03
Method: A2510 B							Batch: 080619_1-COND-PROBE-W		
Sample ID: LCS_COND-1_080619 Conductivity @ 25 C	Laboratory Control Sample 1420	umhos/cm	5.0	100	90	110			06/19/08 14:11
Sample ID: LCS1-1_080619 Conductivity @ 25 C	Laboratory Control Sample 148	umhos/cm	5.0	99	90	110			06/19/08 14:13
Sample ID: LCS2-1_080619 Conductivity @ 25 C	Laboratory Control Sample 5020	umhos/cm	5.0	100	90	110			06/19/08 14:14
Sample ID: MBLK-1_080619 Conductivity @ 25 C	Method Blank ND	umhos/cm	5						06/19/08 14:53
Sample ID: R08060335-001ADUP Conductivity @ 25 C	Sample Duplicate 2400	umhos/cm	5.0				0.4	10	06/19/08 14:52
Method: A2540 C							Batch: 080620A-SLDS-TDS-W		
Sample ID: R08060331-003BMS Solids, Total Dissolved TDS @ 180 C	Sample Matrix Spike 1400	mg/L	5.0	112	80	120			06/20/08 08:25
Sample ID: R08060331-003BMSD Solids, Total Dissolved TDS @ 180 C	Sample Matrix Spike Duplicate 1400	mg/L	5.0	110	80	120	0.3	10	06/20/08 08:25
Method: A2580 B							Batch: 080623-ORP-ISE-W		
Sample ID: LCS Oxidation-Reduction Potential	Laboratory Control Sample 470	mV		100	95	105			06/23/08 00:00
Sample ID: R08060335-001F Oxidation-Reduction Potential	Sample Duplicate 150	mV					2.7	10	06/23/08 00:00

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080719A		
Sample ID: MBLK	Method Blank					Run: SUB-C104480			07/19/08 11:18
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample					Run: SUB-C104480			07/19/08 11:21
Selenium-IV	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike					Run: SUB-C104480			07/19/08 11:25
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate					Run: SUB-C104480			07/19/08 11:27
Selenium-IV	0.051	mg/L	0.0010	102	85	115	1.6	10	
Method: A3114 B							Batch: C_SE3114-080719C		
Sample ID: MBLK	Method Blank					Run: SUB-C104484			07/19/08 14:18
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample					Run: SUB-C104484			07/19/08 14:20
Selenium	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike					Run: SUB-C104484			07/19/08 14:24
Selenium	0.051	mg/L	0.0010	102	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate					Run: SUB-C104484			07/19/08 14:26
Selenium	0.052	mg/L	0.0010	104	85	115	1.8	10	
Method: A4500-H B							Batch: 080619_2_PH-W		
Sample ID: LCS_pH-1_080619	Laboratory Control Sample					Run: PH_COND2-R_080619A			06/19/08 11:37
pH	6.91	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2008-06-19_2_NH3_01							
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080619A			06/19/08 10:10
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080619A			06/19/08 10:12
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080619A			06/19/08 10:22
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	90	110			S
Sample ID: R08060347-003FMS	Sample Matrix Spike					Run: TECHAA2-R_080619A			06/19/08 12:31
Nitrogen, Ammonia as N	0.20	mg/L	0.10	81	80	120			
Sample ID: R08060347-003FMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080619A			06/19/08 12:32
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	80	120	9.9	10	
Method: D5072-92		Batch: C_R103092							
Sample ID: C08060969-003IDUP	Sample Duplicate					Run: SUB-C103092			06/21/08 07:14
Radon 222	129	pCi/L	100				0.1	30	
Sample ID: MB-R103092	Method Blank					Run: SUB-C103092			06/21/08 07:14
Radon 222	20	pCi/L							
Sample ID: LCS-R103092	Laboratory Control Sample					Run: SUB-C103092			06/21/08 07:14
Radon 222	301	pCi/L	100	91	70	130			
Method: E200.7		Batch: C_18911							
Sample ID: MB-18911	Method Blank					Run: SUB-C103914			07/08/08 22:15
Boron	0.03	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-18911	Laboratory Control Sample					Run: SUB-C103914			07/08/08 22:19
Boron	0.549	mg/L	0.10	103	85	115			
Iron	2.70	mg/L	0.030	108	85	115			
Sample ID: R08060335-001D	Sample Matrix Spike					Run: SUB-C103914			07/08/08 23:08
Boron	0.586	mg/L	0.10	102	70	130			
Iron	15.9	mg/L	0.030		70	130			A
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate					Run: SUB-C103914			07/08/08 23:12
Boron	0.585	mg/L	0.10	102	70	130	0.2	20	
Iron	16.3	mg/L	0.030		70	130	2.4	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.
S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103914		
Sample ID: MB-080708A	Method Blank		Run: SUB-C103914				07/08/08 13:45		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	0.002	mg/L	0.002						
Iron	0.005	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.010	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080708A	Laboratory Fortified Blank		Run: SUB-C103914				07/08/08 13:49		
Silica	0.39	mg/L	0.10	97	85	125			
Aluminum	0.96	mg/L	0.10	96	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.0	mg/L	0.10	101	85	125			
Calcium	51	mg/L	0.50	103	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	108	85	125			
Magnesium	53	mg/L	0.50	105	85	125			
Manganese	1.0	mg/L	0.010	103	85	125			
Molybdenum	1.0	mg/L	0.10	102	85	125			
Nickel	1.0	mg/L	0.050	101	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	48	mg/L	0.77	95	85	125			
Vanadium	1.1	mg/L	0.10	108	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: C08060995-003AMS2	Sample Matrix Spike		Run: SUB-C103914				07/08/08 18:40		
Aluminum	2.05	mg/L	0.10	103	70	130			
Barium	2.05	mg/L	0.10	98	70	130			
Boron	2.12	mg/L	0.10	98	70	130			
Chromium	2.02	mg/L	0.050	101	70	130			
Iron	2.07	mg/L	0.030	104	70	130			
Manganese	2.02	mg/L	0.010	99	70	130			
Molybdenum	2.00	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/20/08

Project: Edgemont

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103914		
Sample ID: C08060995-003AMS2	Sample Matrix Spike		Run: SUB-C103914				07/08/08 18:40		
Nickel	1.97	mg/L	0.050	99	70	130			
Vanadium	2.06	mg/L	0.10	100	70	130			
Zinc	2.01	mg/L	0.010	100	70	130			
Calcium	260	mg/L	1.0	99	70	130			
Magnesium	165	mg/L	1.0	99	70	130			
Potassium	104	mg/L	1.0	92	70	130			
Silica	6.43	mg/L	0.10		70	130			A
Sodium	551	mg/L	1.5		70	130			A
Sample ID: C08060995-003AMS2	Sample Matrix Spike Duplicate		Run: SUB-C103914				07/08/08 18:44		
Aluminum	2.13	mg/L	0.10	106	70	130	3.5	20	
Barium	2.08	mg/L	0.10	100	70	130	1.6	20	
Boron	2.21	mg/L	0.10	103	70	130	4.3	20	
Chromium	2.08	mg/L	0.050	104	70	130	3.0	20	
Iron	2.13	mg/L	0.030	106	70	130	2.5	20	
Manganese	2.09	mg/L	0.010	103	70	130	3.3	20	
Molybdenum	2.04	mg/L	0.10	102	70	130	2.0	20	
Nickel	2.05	mg/L	0.050	102	70	130	3.8	20	
Vanadium	2.09	mg/L	0.10	101	70	130	1.4	20	
Zinc	2.08	mg/L	0.010	104	70	130	3.6	20	
Calcium	258	mg/L	1.0	97	70	130	0.6	20	
Magnesium	163	mg/L	1.0	97	70	130	1.4	20	
Potassium	102	mg/L	1.0	90	70	130	1.6	20	
Silica	6.47	mg/L	0.10		70	130	0.7	20	A
Sodium	558	mg/L	1.5		70	130	1.3	20	A
Sample ID: C08070109-003CMS2	Sample Matrix Spike		Run: SUB-C103914				07/08/08 21:02		
Aluminum	4.97	mg/L	0.10	99	70	130			
Barium	4.88	mg/L	0.10	93	70	130			
Boron	5.39	mg/L	0.10	94	70	130			
Chromium	4.90	mg/L	0.050	98	70	130			
Iron	4.95	mg/L	0.030	99	70	130			
Manganese	4.71	mg/L	0.010	94	70	130			
Molybdenum	5.12	mg/L	0.10	101	70	130			
Nickel	4.79	mg/L	0.050	96	70	130			
Vanadium	4.99	mg/L	0.10	99	70	130			
Zinc	5.03	mg/L	0.011	96	70	130			
Calcium	727	mg/L	1.0	98	70	130			
Magnesium	364	mg/L	1.0	97	70	130			
Potassium	290	mg/L	1.0	85	70	130			
Silica	100	mg/L	0.10		70	130			A

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103914		
Sample ID: C08070109-003CMS2	Sample Matrix Spike		Run: SUB-C103914				07/08/08 21:02		
Sodium	828	mg/L	3.9	93	70	130			
Sample ID: C08070109-003CMSD2	Sample Matrix Spike Duplicate		Run: SUB-C103914				07/08/08 21:06		
Aluminum	5.03	mg/L	0.10	100	70	130	1.2	20	
Barium	5.05	mg/L	0.10	96	70	130	3.5	20	
Boron	5.53	mg/L	0.10	97	70	130	2.5	20	
Chromium	4.99	mg/L	0.050	99	70	130	1.9	20	
Iron	5.06	mg/L	0.030	101	70	130	2.1	20	
Manganese	4.87	mg/L	0.010	97	70	130	3.4	20	
Molybdenum	5.11	mg/L	0.10	101	70	130	0.1	20	
Nickel	4.88	mg/L	0.050	98	70	130	1.7	20	
Vanadium	5.06	mg/L	0.10	100	70	130	1.4	20	
Zinc	5.16	mg/L	0.011	98	70	130	2.6	20	
Calcium	729	mg/L	1.0	99	70	130	0.4	20	
Magnesium	364	mg/L	1.0	97	70	130	0.1	20	
Potassium	299	mg/L	1.0	89	70	130	3.1	20	
Silica	99.6	mg/L	0.10		70	130	0.6	20	A
Sodium	824	mg/L	3.9	91	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18911		
Sample ID: MB-18911	Method Blank		Run: SUB-C103319				06/26/08 14:55		
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Chromium	0.005	mg/L	5E-05						
Copper	0.002	mg/L	0.0002						
Lead	6E-06	mg/L							
Manganese	0.0003	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	0.0002						
Selenium	ND	mg/L	0.0002						
Silver	0.0001	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	7E-05	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS3-18911	Laboratory Control Sample		Run: SUB-C103319				06/26/08 15:02		
Antimony	0.536	mg/L	0.050	107	85	115			
Arsenic	0.525	mg/L	0.0010	105	85	115			
Barium	0.520	mg/L	0.10	104	85	115			
Beryllium	0.235	mg/L	0.010	94	85	115			
Cadmium	0.259	mg/L	0.010	104	85	115			
Chromium	0.509	mg/L	0.050	101	85	115			
Copper	0.501	mg/L	0.010	100	85	115			
Lead	0.538	mg/L	0.050	108	85	115			
Manganese	2.55	mg/L	0.010	102	85	115			
Molybdenum	0.538	mg/L	0.10	108	85	115			
Nickel	0.506	mg/L	0.050	101	85	115			
Selenium	0.516	mg/L	0.0010	103	85	115			
Silver	0.0457	mg/L	0.010	91	85	115			
Strontium	0.553	mg/L	0.10	111	85	115			
Thallium	0.528	mg/L	0.10	106	85	115			
Uranium	0.573	mg/L	0.00030	115	85	115			
Zinc	0.477	mg/L	0.010	95	85	115			
Sample ID: R08060335-001D	Sample Matrix Spike		Run: SUB-C103319				06/26/08 15:29		
Antimony	0.556	mg/L	0.050	111	70	130			
Arsenic	0.544	mg/L	0.0010	108	70	130			
Barium	0.568	mg/L	0.10	111	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18911		
Sample ID: R08060335-001D	Sample Matrix Spike		Run: SUB-C103319				06/26/08 15:29		
Beryllium	0.220	mg/L	0.010	88	70	130			
Cadmium	0.252	mg/L	0.010	101	70	130			
Chromium	0.509	mg/L	0.050	101	70	130			
Copper	0.504	mg/L	0.010	99	70	130			
Lead	0.564	mg/L	0.050	112	70	130			
Manganese	4.21	mg/L	0.010	102	70	130			
Molybdenum	0.573	mg/L	0.10	114	70	130			
Nickel	0.513	mg/L	0.050	102	70	130			
Selenium	0.522	mg/L	0.0010	104	70	130			
Silver	0.0451	mg/L	0.010	90	70	130			
Strontium	6.22	mg/L	0.10		70	130			A
Thallium	0.574	mg/L	0.10	115	70	130			
Uranium	0.629	mg/L	0.00030	125	70	130			
Zinc	0.507	mg/L	0.010	85	70	130			
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate		Run: SUB-C103319				06/26/08 15:35		
Antimony	0.550	mg/L	0.050	110	70	130	1.1	20	
Arsenic	0.528	mg/L	0.0010	105	70	130	2.9	20	
Barium	0.559	mg/L	0.10	109	70	130	1.5	20	
Beryllium	0.215	mg/L	0.010	86	70	130	2.2	20	
Cadmium	0.247	mg/L	0.010	99	70	130	2.0	20	
Chromium	0.495	mg/L	0.050	98	70	130	2.8	20	
Copper	0.488	mg/L	0.010	96	70	130	3.1	20	
Lead	0.562	mg/L	0.050	112	70	130	0.4	20	
Manganese	4.21	mg/L	0.010	102	70	130	0.0	20	
Molybdenum	0.561	mg/L	0.10	112	70	130	2.1	20	
Nickel	0.494	mg/L	0.050	98	70	130	3.8	20	
Selenium	0.504	mg/L	0.0010	101	70	130	3.5	20	
Silver	0.0441	mg/L	0.010	88	70	130	2.2	20	
Strontium	6.16	mg/L	0.10		70	130	1.0	20	A
Thallium	0.571	mg/L	0.10	114	70	130	0.5	20	
Uranium	0.630	mg/L	0.00030	126	70	130	0.1	20	
Zinc	0.496	mg/L	0.010	83	70	130	2.1	20	
Sample ID: R08060335-001D	Sample Matrix Spike		Run: SUB-C104018				07/10/08 11:21		
Arsenic	0.529	mg/L	0.0010	105	70	130			
Copper	0.516	mg/L	0.010	101	70	130			
Lead	0.513	mg/L	0.050	103	70	130			
Manganese	4.40	mg/L	0.010	111	70	130			
Molybdenum	0.510	mg/L	0.10	102	70	130			
Selenium	0.513	mg/L	0.0020	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18911		
Sample ID: R08060335-001D	Sample Matrix Spike			Run: SUB-C104018				07/10/08 11:21	
Uranium	0.532	mg/L	0.00032	106	70	130			
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate			Run: SUB-C104018				07/10/08 11:26	
Arsenic	0.523	mg/L	0.0010	104	70	130	1.1	20	
Copper	0.506	mg/L	0.010	99	70	130	2.0	20	
Lead	0.510	mg/L	0.050	102	70	130	0.7	20	
Manganese	4.36	mg/L	0.010	109	70	130	1.0	20	
Molybdenum	0.513	mg/L	0.10	103	70	130	0.5	20	
Selenium	0.508	mg/L	0.0020	102	70	130	0.9	20	
Uranium	0.536	mg/L	0.00032	107	70	130	0.8	20	
Sample ID: R08060335-001D	Sample Matrix Spike			Run: SUB-C104345				07/17/08 08:20	
Antimony	5.82	mg/L	0.050	116	70	130			
Arsenic	5.26	mg/L	0.0010	105	70	130			
Barium	5.58	mg/L	0.10	111	70	130			
Beryllium	2.89	mg/L	0.010	116	70	130			
Cadmium	2.45	mg/L	0.010	98	70	130			
Chromium	5.14	mg/L	0.050	103	70	130			
Copper	4.77	mg/L	0.010	95	70	130			
Lead	5.26	mg/L	0.050	105	70	130			
Manganese	43.0	mg/L	0.010	165	70	130			S
Molybdenum	5.34	mg/L	0.10	107	70	130			
Nickel	4.81	mg/L	0.050	96	70	130			
Selenium	5.02	mg/L	0.0020	100	70	130			
Silver	0.439	mg/L	0.010	88	70	130			
Strontium	57.2	mg/L	0.10	1050	70	130			S
Thallium	5.34	mg/L	0.10	107	70	130			
Uranium	6.14	mg/L	0.00032	123	70	130			
Zinc	5.30	mg/L	0.010	104	70	130			
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate			Run: SUB-C104345				07/17/08 08:25	
Antimony	5.82	mg/L	0.050	116	70	130	0.0	20	
Arsenic	5.12	mg/L	0.0010	102	70	130	2.8	20	
Barium	5.64	mg/L	0.10	113	70	130	1.1	20	
Beryllium	2.89	mg/L	0.010	116	70	130	0.2	20	
Cadmium	2.44	mg/L	0.010	98	70	130	0.2	20	
Chromium	5.25	mg/L	0.050	105	70	130	2.2	20	
Copper	4.68	mg/L	0.010	93	70	130	2.0	20	
Lead	5.37	mg/L	0.050	107	70	130	2.1	20	
Manganese	44.1	mg/L	0.010	169	70	130	2.5	20	S
Molybdenum	5.34	mg/L	0.10	107	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/20/08

Project: Edgemont

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18911		
Sample ID: R08060335-001D		Sample Matrix Spike Duplicate			Run: SUB-C104345			07/17/08 08:25	
Nickel	4.68	mg/L	0.050	94	70	130	2.6	20	
Selenium	4.89	mg/L	0.0020	98	70	130	2.6	20	
Silver	0.442	mg/L	0.010	88	70	130	0.6	20	
Strontium	57.4	mg/L	0.10	1050	70	130	0.2	20	S
Thallium	5.36	mg/L	0.10	107	70	130	0.3	20	
Uranium	6.31	mg/L	0.00032	126	70	130	2.7	20	
Zinc	5.15	mg/L	0.010	101	70	130	2.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104438		
Sample ID: LRB	Method Blank		Run: SUB-C104438				07/17/08 11:20		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	4E-05	mg/L	3E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104438				07/17/08 11:26		
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0517	mg/L	0.0010	103	85	115			
Lead	0.0515	mg/L	0.0010	103	85	115			
Mercury	0.00546	mg/L	0.0010	109	85	115			
Silver	0.0201	mg/L	0.0010	100	85	115			
Thorium 232	0.0506	mg/L	0.0010	101	85	115			
Uranium	0.0509	mg/L	0.00030	102	85	115			
Sample ID: C08060995-004AMS4	Post Digestion Spike		Run: SUB-C104438				07/17/08 16:47		
Arsenic	0.0487	mg/L	0.0010	95	70	130			
Cadmium	0.0441	mg/L	0.010	88	70	130			
Copper	0.0468	mg/L	0.010	86	70	130			
Lead	0.0482	mg/L	0.050	96	70	130			
Mercury	0.00512	mg/L	0.0010	102	70	130			
Silver	0.0147	mg/L	0.010	74	70	130			
Thorium 232	0.0507	mg/L	0.0010	101	70	130			
Uranium	0.0584	mg/L	0.00030	101	70	130			
Sample ID: C08060995-004AMSD4	Post Digestion Spike Duplicate		Run: SUB-C104438				07/17/08 16:54		
Arsenic	0.0505	mg/L	0.0010	99	70	130	3.5	20	
Cadmium	0.0441	mg/L	0.010	88	70	130	0.1	20	
Copper	0.0485	mg/L	0.010	90	70	130	3.7	20	
Lead	0.0484	mg/L	0.050	97	70	130	0.0	20	
Mercury	0.00516	mg/L	0.0010	103	70	130	0.8	20	
Silver	0.0148	mg/L	0.010	74	70	130	0.7	20	
Thorium 232	0.0514	mg/L	0.0010	103	70	130	1.3	20	
Uranium	0.0586	mg/L	0.00030	102	70	130	0.4	20	
Sample ID: C08061333-001CMS4	Post Digestion Spike		Run: SUB-C104438				07/17/08 20:17		
Arsenic	0.0486	mg/L	0.0010	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104438		
Sample ID: C08061333-001CMS4	Post Digestion Spike			Run: SUB-C104438			07/17/08 20:17		
Cadmium	0.0455	mg/L	0.010	91	70	130			
Copper	0.0450	mg/L	0.010	90	70	130			
Lead	0.0481	mg/L	0.050	95	70	130			
Mercury	0.00500	mg/L	0.0010	100	70	130			
Silver	0.0110	mg/L	0.010	55	70	130			S
Thorium 232	0.0492	mg/L	0.0010	98	70	130			
Uranium	0.0537	mg/L	0.00030	97	70	130			
Sample ID: C08061333-001CMSD4	Post Digestion Spike Duplicate			Run: SUB-C104438			07/17/08 20:24		
Arsenic	0.0482	mg/L	0.0010	95	70	130	0.9	20	
Cadmium	0.0459	mg/L	0.010	92	70	130	0.9	20	
Copper	0.0453	mg/L	0.010	90	70	130	0.7	20	
Lead	0.0479	mg/L	0.050	95	70	130	0.0	20	
Mercury	0.00503	mg/L	0.0010	101	70	130	0.6	20	
Silver	0.0128	mg/L	0.010	64	70	130	16	20	S
Thorium 232	0.0491	mg/L	0.0010	97	70	130	0.1	20	
Uranium	0.0536	mg/L	0.00030	97	70	130	0.2	20	
Method: E245.1							Batch: B_33204		
Sample ID: MB-33204	Method Blank			Run: SUB-B113209			06/30/08 07:09		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33204	Laboratory Fortified Blank			Run: SUB-B113209			06/30/08 07:12		
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: R08060335-001D	Sample Matrix Spike			Run: SUB-B113209			06/30/08 08:31		
Mercury	0.0021	mg/L	0.0010	103	70	130			
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate			Run: SUB-B113209			06/30/08 08:33		
Mercury	0.0020	mg/L	0.0010	99	70	130	4.0	30	
Method: E245.1							Analytical Run: SUB-B113209		
Sample ID: QCS	Initial Calibration Verification Standard						06/30/08 06:57		
Mercury	0.0019	mg/L	0.0010	97	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35577		
Sample ID: LFB0806190922-3	Laboratory Fortified Blank			Run: DIONEX_080619A			06/19/08 17:04		
Chloride	4.62	mg/L	0.50	92	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.41	mg/L	0.10	96	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: LFB0806190922-4	Laboratory Fortified Blank			Run: DIONEX_080619A			06/19/08 17:20		
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R08060335-001AMS	Sample Matrix Spike			Run: DIONEX_080619A			06/20/08 00:43		
Chloride	244	mg/L	5.4	87	80	120			
Fluoride	93.4	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	117	mg/L	1.3	93	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1890	mg/L	3.4	87	80	120			
Sample ID: R08060335-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080619A			06/20/08 01:00		
Chloride	240	mg/L	5.4	85	80	120	2.0	10	
Fluoride	91.0	mg/L	0.56	83	80	120	2.6	10	
Nitrogen, Nitrate as N	114	mg/L	1.3	91	80	120	2.4	10	
Nitrogen, Nitrite as N	121	mg/L	2.9	97	80	120	2.5	10	
Sulfate	1870	mg/L	3.4	85	80	120	0.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0481		
Sample ID: MB-GrAB-0481	Method Blank				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	-1	pCi/L							U
Gross Beta	-6	pCi/L							U
Sample ID: UNAT-GrAB-0481	Laboratory Control Sample				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	140	pCi/L	103		70	130			
Sample ID: Cs137-GrAB-0481	Laboratory Control Sample				Run: SUB-C104629			07/21/08 10:42	
Gross Beta	90	pCi/L	103		70	130			
Sample ID: C08070009-010DMS	Sample Matrix Spike				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	145	pCi/L	105		70	130			
Sample ID: C08070009-010DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	127	pCi/L	92		70	130	13	18.1	
Sample ID: C08070009-010DMS	Sample Matrix Spike				Run: SUB-C104629			07/21/08 10:42	
Gross Beta	88.7	pCi/L	87		70	130			
Sample ID: C08070009-010DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104629			07/21/08 10:42	
Gross Beta	98.5	pCi/L	97		70	130	11	16.1	
Method: E901.1							Batch: C_R103216		
Sample ID: LCS-R103216	Laboratory Control Sample				Run: SUB-C103216			06/20/08 16:37	
Cesium 137	457000	pCi/Filter	20	106	70	130			
Cobalt 60	325000	pCi/Filter	20	102	70	130			
Sample ID: MB-R103216	Method Blank				Run: SUB-C103216			06/20/08 16:37	
Gross Gamma		pCi/Filter	20						U
Sample ID: C08060794-001ADUP	Sample Duplicate				Run: SUB-C103216			06/20/08 16:37	
Gross Gamma		pCi/Filter	20				0.0	30	U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_18917		
Sample ID: C08060995-004KMS	Sample Matrix Spike				Run: SUB-C104309		07/15/08 14:46		
Radium 226	160	pCi/L		100	70	130			
Sample ID: C08060995-004KMSD	Sample Matrix Spike Duplicate				Run: SUB-C104309		07/15/08 14:46		
Radium 226	170	pCi/L		110	70	130	9.7	24.6	
Sample ID: LCS-18917	Laboratory Control Sample				Run: SUB-C104309		07/15/08 14:46		
Radium 226	16	pCi/L		112	70	130			
Sample ID: MB-18917	Method Blank				Run: SUB-C104309		07/15/08 16:22		
Radium 226	-2	pCi/L							U
Method: E903.0							Batch: C_RA226-2918		
Sample ID: MB-RA226-2918	Method Blank				Run: SUB-C104311		07/16/08 07:03		
Radium 226	0.1	pCi/L							
Sample ID: C08060981-001AMS	Sample Matrix Spike				Run: SUB-C104311		07/16/08 07:03		
Radium 226	19	pCi/L		109	70	130			
Sample ID: C08060981-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104311		07/16/08 07:03		
Radium 226	19	pCi/L		108	70	130	0.6	21	
Sample ID: LCS-RA226-2918	Laboratory Control Sample				Run: SUB-C104311		07/16/08 08:37		
Radium 226	8.2	pCi/L		102	70	130			
Method: E907.0							Batch: C_18917		
Sample ID: R08060335-001I	Sample Matrix Spike				Run: SUB-C104217		07/13/08 18:14		
Thorium 230	19.7	pCi/L	0.20	85	70	130			
Sample ID: R08060335-001I	Sample Matrix Spike Duplicate				Run: SUB-C104217		07/13/08 18:14		
Thorium 230	21.7	pCi/L	0.20	96	70	130	9.5	30	
Sample ID: LCS-18917	Laboratory Control Sample				Run: SUB-C104217		07/13/08 18:14		
Thorium 230	51.9	pCi/L	0.20	108	70	130			
Sample ID: MB-18917	Method Blank				Run: SUB-C104217		07/13/08 18:14		
Thorium 230	0.7	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_RA-TH-ISO-0566		
Sample ID: LCS-RA-TH-ISO-0566	Laboratory Control Sample				Run: SUB-C104779				07/21/08 16:02
Thorium 230	6.43	pCi/L	0.20	105	70	130			
Sample ID: C08061025-003BMS	Sample Matrix Spike				Run: SUB-C104779				07/21/08 16:13
Thorium 230	15.8	pCi/L	0.20	96	70	130			
Sample ID: C08061025-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C104779				07/21/08 16:14
Thorium 230	14.3	pCi/L	0.20	89	70	130	9.5	30	
Sample ID: MB-RA-TH-ISO-0566	Method Blank				Run: SUB-C104779				07/17/08 12:48
Thorium 230	0.05	pCi/L							U
Method: E909.0M							Batch: C_18917		
Sample ID: C08060943-002FMS	Sample Matrix Spike				Run: SUB-C105224				07/14/08 09:30
Lead 210	1300	pCi/L		111	70	130			
Sample ID: C08060943-002FMSD	Sample Matrix Spike Duplicate				Run: SUB-C105224				07/14/08 09:30
Lead 210	830	pCi/L		71	70	130	44	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R105224	Method Blank				Run: SUB-C105224				07/14/08 09:30
Lead 210	5	pCi/L							U
Sample ID: LCS-R105224	Laboratory Control Sample				Run: SUB-C105224				07/14/08 09:30
Lead 210	120	pCi/L		95	70	130			
Method: E909.0M							Batch: C_R105675		
Sample ID: C08070067-003AMS	Sample Matrix Spike				Run: SUB-C105675				07/18/08 08:20
Lead 210	640	pCi/L		110	70	130			
Sample ID: C08070067-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105675				07/18/08 08:20
Lead 210	540	pCi/L		92	70	130	18	30	
Sample ID: MB-R105675	Method Blank				Run: SUB-C105675				07/18/08 08:20
Lead 210	-2	pCi/L							U
Sample ID: LCS-R105675	Laboratory Control Sample				Run: SUB-C105675				07/18/08 08:20
Lead 210	110	pCi/L		94	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060335

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_18917		
Sample ID: C08060943-001FMS	Sample Matrix Spike				Run: SUB-C106132		08/18/08 17:00		
Polonium 210	29	pCi/L	1.0	128	70	130			
Sample ID: C08060943-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C106132		08/18/08 17:00		
Polonium 210	22	pCi/L	1.0	99	70	130	25	30	
Sample ID: MB-R106132	Method Blank				Run: SUB-C106132		08/18/08 17:00		
Polonium 210	-0.09	pCi/L					U		
Sample ID: LCS-R106132	Laboratory Control Sample				Run: SUB-C106132		08/18/08 17:00		
Polonium 210	84	pCi/L	1.0	97	70	130			
Method: RMO-3008							Batch: C_R104442		
Sample ID: C08061021-004EMS	Sample Matrix Spike				Run: SUB-C104442		07/09/08 18:40		
Polonium 210	65	pCi/L	1.0	73	70	130			
Sample ID: C08061021-004EMSD	Sample Matrix Spike Duplicate				Run: SUB-C104442		07/09/08 18:40		
Polonium 210	75	pCi/L	1.0	85	70	130	14	30	
Sample ID: LCS-R104442	Laboratory Control Sample				Run: SUB-C104442		07/09/08 18:40		
Polonium 210	44	pCi/L	1.0	103	70	130			
Sample ID: MB-R104442	Method Blank				Run: SUB-C104442		07/09/08 18:40		
Polonium 210	-0.3	pCi/L					U		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

PLEASE PRINT - Provide as much information as possible

Page 1 of 1

Company Name: RESPEC Report Mail Address:		Project Name, PWS, Permit, Etc.: Powerbel Day Burdock Contact Name: Car. Foreman Phone/Fax: respec.com		Sample Origin: Yes <input type="checkbox"/> No <input type="checkbox"/>		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Invoice Address:		Invoice Contact & Phone:		Purchase Order:		Sampler: (Please Print) Eric Krantz	
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____ </div> <div> <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC </div> </div>				Number of Containers Sample Type: AWS S V B O Air Water Soils/Solids Vegetation Bioassay Other		ANALYSIS REQUESTED <div style="border: 1px solid black; padding: 5px; text-align: center; font-size: 2em; transform: rotate(-15deg);"> As per Contract </div>	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)				Collection Date		Collection Time	
Pen Burd Gw 619				6/17/08		18:10	
MATRIX				W		RESPEC	
Custody Record MUST be Signed				Date/Time: 6/18/08 04:30		Date/Time: 6/18/08 06:30	
Signature: Car. Foreman				Signature: Steve Trejo		Signature: Eric Krantz	
Date/Time: 6/18/08 08:50				Date/Time: 6/18/08 08:50		Date/Time: 6/18/08 08:50	
Lab Disposal:				Lab Disposal:		Lab Disposal:	

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

August 21, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08060427 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 6/25/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060427-001	DewBurd GW698	06/24/08 11:55	06/25/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08060427-002	DewBurd GW696	06/24/08 15:08	06/25/08	Aqueous	Same As Above
R08060427-003	DewBurd GW694	06/24/08 15:16	06/25/08	Aqueous	Same As Above
R08060427-004	DewBurd GW695	06/24/08 17:30	06/25/08	Aqueous	Same As Above
R08060427-005	DewBurd GW697	06/24/08 18:20	06/25/08	Aqueous	Same As Above
R08060427-006	DewBurd GW3026	06/24/08 20:06	06/25/08	Aqueous	Same As Above



R08060427-007 DewBurd BLK01

06/24/08 20:10 06/25/08

Aqueous

Metals by ICP/ICPMS, Dissolved
Metals by ICP/ICPMS, Suspended
Metals by ICP/ICPMS, Total
Alkalinity
Conductivity
Mercury, Total
Selenium, Dissolved
Selenium, Dissolved
Selenium, Dissolved
Anions by Ion Chromatography
Nitrogen, Ammonia
Oxidation Reduction Potential
pH
Digestion, Total Metals
Digestion, Total Metals
Dissolved Filtration
Digestion, Mercury by CVAA
Gross Alpha, Gross Beta
Gross Gamma, Dissolved
Lead 210, Dissolved
Lead 210, Suspended
Polonium 210, Dissolved
Polonium 210, Suspended
Radium 226, Dissolved
Radium 226, Suspended
Radon 222
Thorium, Isotopic
Thorium, Suspended Isotopic
Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson

Rapid City - Project Manager



Date: 21-Aug-08

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08060427

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08061394

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08061394



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-001
Client Sample ID: DewBurd GW698

Report Date: 08/21/08
Collection Date: 06/24/08 11:55
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	114	mg/L		5		1	A2320 B	07/03/08 11:29/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:29/mb
Bicarbonate as HCO3	139	mg/L		5		1	A2320 B	07/03/08 11:29/mb
Calcium	393	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Chloride	9	mg/L		1		1	E300.0	06/26/08 21:12/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	06/26/08 21:12/jmh
Magnesium	141	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:44/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:12/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:12/jmh
Potassium	15.9	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Silica	5.5	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Sodium	89	mg/L	D	2		2	E200.7	07/07/08 18:09/eli-c
Sulfate	1470	mg/L		1		20	E300.0	06/26/08 20:56/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2530	umhos/cm		5.0		1	A2510 B	07/01/08 11:07/tb
Oxidation-Reduction Potential	94	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.09	s.u.		0.01		1	A4500-H B	07/01/08 10:03/tb
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	06/27/08 11:54/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 18:06/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:06/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:06/eli-c
Iron	1.60	mg/L		0.03		2	E200.7	07/07/08 18:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:06/eli-c
Manganese	2.56	mg/L		0.01		2	E200.7	07/07/08 18:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:06/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:09/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:06/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-001
Client Sample ID: DewBurd GW698

Report Date: 08/21/08
Collection Date: 06/24/08 11:55
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 18:06/eli-c
Uranium	0.104	mg/L		0.0003		1	E200.8	07/15/08 18:06/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/07/08 18:09/eli-c
METALS - SUSPENDED								
Uranium	0.0043	mg/L		0.0003		1	E200.8	07/10/08 12:15/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:13/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1790	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	40.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	8.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	470	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	11.1	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	8.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	-1.7	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	429	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	4.4	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 15:49/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	07/28/08 15:49/eli-c
Gross Gamma	170	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	38	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	7.4	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.78	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	11.6	pCi/L				1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-001
Client Sample ID: DewBurd GW698

Report Date: 08/21/08
Collection Date: 06/24/08 11:55
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	40700	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	418	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:31/eli-c
Arsenic	0.005	mg/L	D	0.003		10	E200.8	07/17/08 00:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 13:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:29/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:29/eli-c
Iron	5.48	mg/L		0.03		2	E200.7	07/08/08 02:29/eli-c
Lead	0.001	mg/L		0.001		10	E200.8	07/17/08 00:31/eli-c
Manganese	2.66	mg/L		0.01		2	E200.7	07/08/08 02:29/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/07/08 21:18/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:29/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 13:41/eli-c
Strontium	5.2	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:31/eli-c
Uranium	0.113	mg/L		0.0003		10	E200.8	07/17/08 00:31/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/08/08 02:29/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.88	%				1	A1030 E	08/21/08 00:00/kl
Anions	33.1	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	35.8	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	2200	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	08/21/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-002
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 06/24/08 15:08
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	07/03/08 11:32/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:32/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	07/03/08 11:32/mb
Calcium	31.6	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Chloride	12	mg/L		1		1	E300.0	06/26/08 21:45/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/26/08 21:45/jmh
Magnesium	11.1	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:47/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:45/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:45/jmh
Potassium	9.4	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Silica	5.0	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Sodium	295	mg/L	D	2		2	E200.7	07/07/08 18:22/eli-c
Sulfate	456	mg/L		1		20	E300.0	06/26/08 21:29/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	07/01/08 11:07/tb
Oxidation-Reduction Potential	99	mV				1	A2580 B	06/27/08 00:00/jmh
pH	8.29	s.u.		0.01		1	A4500-H B	07/01/08 10:04/tb
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	06/27/08 11:56/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 18:39/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:39/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:39/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	07/07/08 18:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:39/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/07/08 18:22/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:39/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:22/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:39/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-002
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 06/24/08 15:08
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 18:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/15/08 18:39/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:22/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:20/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:15/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	23.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	9.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	-5.3	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	3.3	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/28/08 20:05/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.6	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-002
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 06/24/08 15:08
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	517	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	136	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:38/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:38/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:38/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:34/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:34/eli-c
Iron	0.67	mg/L		0.03		2	E200.7	07/08/08 02:34/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 00:38/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/08/08 02:34/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:42/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:34/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:08/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:38/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/17/08 00:38/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.89	%				1	A1030 E	08/21/08 00:00/lkl
Anions	13.3	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	15.6	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	934	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/21/08 00:00/lkl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-003
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 06/24/08 15:16
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	206	mg/L		5		1	A2320 B	07/03/08 11:36/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:36/mb
Bicarbonate as HCO3	251	mg/L		5		1	A2320 B	07/03/08 11:36/mb
Calcium	103	mg/L		0.5		2	E200.7	07/07/08 18:38/eli-c
Chloride	9	mg/L		1		1	E300.0	06/26/08 22:18/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	06/26/08 22:18/jmh
Magnesium	37.1	mg/L		0.5		2	E200.7	07/07/08 18:38/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:48/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 22:18/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 22:18/jmh
Potassium	13.6	mg/L		0.5		2	E200.7	07/07/08 18:38/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	07/07/08 18:38/eli-c
Sodium	180	mg/L	D	2		2	E200.7	07/07/08 18:38/eli-c
Sulfate	486	mg/L		1		20	E300.0	06/26/08 22:02/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1400	umhos/cm		5.0		1	A2510 B	07/01/08 11:08/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.82	s.u.		0.01		1	A4500-H B	07/01/08 10:05/tb
Sodium Adsorption Ratio (SAR)	3.9	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	06/27/08 11:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:38/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/15/08 18:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:38/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:38/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:12/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/07/08 18:38/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:12/eli-c
Manganese	0.16	mg/L		0.01		2	E200.7	07/07/08 18:38/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:38/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:38/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:12/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-003
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 06/24/08 15:16
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 18:12/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	07/15/08 18:12/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/07/08 18:38/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:38/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:25/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:17/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	23.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	15.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	-0.1	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	2.2	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/29/08 12:45/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/29/08 12:45/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.8	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.19	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-003
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 06/24/08 15:16
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/11/08 17:07/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/11/08 17:07/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	611	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	137	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:45/eli-c
Arsenic	ND	mg/L	D	0.003		10	E200.8	07/17/08 00:45/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:38/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:15/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:38/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:45/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:38/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:38/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	07/08/08 02:38/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 00:45/eli-c
Manganese	0.16	mg/L		0.01		2	E200.7	07/08/08 02:38/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:49/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:38/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:38/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:15/eli-c
Strontium	2.9	mg/L		0.1		2	E200.7	07/08/08 02:38/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:45/eli-c
Uranium	0.0006	mg/L		0.0003		10	E200.8	07/17/08 00:45/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:38/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.22	%				1	A1030 E	08/21/08 00:00/ikl
Anions	14.5	meq/L				1	A1030 E	08/21/08 00:00/ikl
Cations	16.4	meq/L				1	A1030 E	08/21/08 00:00/ikl
Solids, Total Dissolved Calculated	965	mg/L				1	A1030 E	08/21/08 00:00/ikl
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	08/21/08 00:00/ikl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-004
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 06/24/08 17:30
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	07/03/08 11:40/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:40/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	07/03/08 11:40/mb
Calcium	52.5	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Chloride	11	mg/L		1		1	E300.0	06/26/08 23:57/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/26/08 23:57/jmh
Magnesium	18.8	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:49/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 23:57/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 23:57/jmh
Potassium	8.7	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Sodium	250	mg/L	D	2		2	E200.7	07/07/08 18:42/eli-c
Sulfate	442	mg/L		1		20	E300.0	06/26/08 23:07/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	07/01/08 11:09/tb
Oxidation-Reduction Potential	120	mV				1	A2580 B	06/27/08 00:00/jmh
pH	8.14	s.u.		0.01		1	A4500-H B	07/01/08 10:05/tb
Sodium Adsorption Ratio (SAR)	7.5	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	06/27/08 11:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 17:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 17:59/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 17:59/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/07/08 18:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 17:59/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/07/08 18:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 17:59/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:42/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 17:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-004
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 06/24/08 17:30
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 17:59/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	07/15/08 17:59/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:42/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:30/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	39.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	11.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	0.7	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	5.2	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/28/08 20:05/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.9	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-004
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 06/24/08 17:30
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/11/08 17:07/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/11/08 17:07/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2120	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	154	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:51/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	07/17/08 00:51/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:51/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:42/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:42/eli-c
Iron	0.12	mg/L		0.03		2	E200.7	07/08/08 02:42/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 00:51/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/08/08 02:42/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:51/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:42/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:22/eli-c
Strontium	1.0	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:51/eli-c
Uranium	0.0027	mg/L		0.0003		10	E200.8	07/17/08 00:51/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.98	%				1	A1030 E	08/21/08 00:00/kl
Anions	13.0	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	15.3	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	901	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	08/21/08 00:00/kl

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

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Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

D - RL increased due to sample matrix interference.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 06/24/08 18:20
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	07/03/08 11:42/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:42/mb
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	07/03/08 11:42/mb
Calcium	53.4	mg/L		0.5		2	E200.7	07/07/08 18:46/eli-c
Chloride	8	mg/L		1		1	E300.0	06/27/08 00:29/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/27/08 00:29/jmh
Magnesium	17.7	mg/L		0.5		2	E200.7	07/07/08 18:46/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:51/ch
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	06/27/08 00:29/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 00:29/jmh
Potassium	8.8	mg/L		0.5		2	E200.7	07/07/08 18:46/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	07/07/08 18:46/eli-c
Sodium	218	mg/L	D	2		2	E200.7	07/07/08 18:46/eli-c
Sulfate	409	mg/L		1		20	E300.0	06/27/08 00:13/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	07/01/08 11:10/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	06/27/08 00:00/jmh
pH	8.25	s.u.		0.01		1	A4500-H B	07/01/08 10:07/tb
Sodium Adsorption Ratio (SAR)	6.6	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	810	mg/L		5		1	A2540 C	06/27/08 11:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:46/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/15/08 18:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:46/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:46/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:46/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:19/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/07/08 18:46/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:19/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	07/07/08 18:46/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:46/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:46/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:19/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 06/24/08 18:20
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 18:19/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/15/08 18:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:46/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:46/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:36/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:21/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	11.9	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta	8.1	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Lead 210	0.5	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	0.8	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/28/08 20:05/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.9	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	07/16/08 01:53/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 06/24/08 18:20
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/16/08 01:53/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/16/08 01:53/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	07/11/08 17:07/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/11/08 17:07/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	413	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	132	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 02:47/eli-c
Arsenic	0.003	mg/L	D	0.003		10	E200.8	07/17/08 02:47/eli-c
Barium	0.2	mg/L		0.1		2	E200.7	07/08/08 02:46/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:46/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 02:47/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:46/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:46/eli-c
Iron	0.08	mg/L		0.03		2	E200.7	07/08/08 02:46/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 02:47/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	07/08/08 02:46/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:53/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:46/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:46/eli-c
Selenium	0.005	mg/L	D	0.002		10	E200.8	07/17/08 02:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:29/eli-c
Strontium	1.2	mg/L		0.1		2	E200.7	07/08/08 02:46/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 02:47/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/17/08 02:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:46/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.52	%				1	A1030 E	08/21/08 00:00/kl
Anions	12.1	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	13.8	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	829	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	08/21/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-006
Client Sample ID: DewBurd GW3026

Report Date: 08/21/08
Collection Date: 06/24/08 20:06
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	172	mg/L		5		1	A2320 B	07/03/08 11:46/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:46/mb
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	07/03/08 11:46/mb
Calcium	461	mg/L		0.5		2	E200.7	07/07/08 18:50/eli-c
Chloride	15	mg/L		1		1	E300.0	06/27/08 01:02/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/27/08 01:02/jmh
Magnesium	137	mg/L		0.5		2	E200.7	07/07/08 18:50/eli-c
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:52/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/27/08 01:02/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 01:02/jmh
Potassium	22.3	mg/L		0.5		2	E200.7	07/07/08 18:50/eli-c
Silica	1.9	mg/L		0.5		2	E200.7	07/07/08 18:50/eli-c
Sodium	171	mg/L	D	2		2	E200.7	07/07/08 18:50/eli-c
Sulfate	1790	mg/L		1		20	E300.0	06/27/08 00:46/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2970	umhos/cm		5.0		1	A2510 B	07/01/08 11:11/tb
Oxidation-Reduction Potential	85	mV				1	A2580 B	06/27/08 00:00/jmh
pH	6.82	s.u.		0.01		1	A4500-H B	07/01/08 10:08/tb
Sodium Adsorption Ratio (SAR)	1.8	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	2700	mg/L		5		1	A2540 C	06/27/08 11:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:50/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 18:26/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:50/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/07/08 18:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:26/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/07/08 18:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:26/eli-c
Manganese	1.42	mg/L		0.01		2	E200.7	07/07/08 18:50/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:26/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:50/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:50/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:26/eli-c

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-006
Client Sample ID: DewBurd GW3026

Report Date: 08/21/08
Collection Date: 06/24/08 20:06
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 18:26/eli-c
Uranium	0.0183	mg/L		0.0003		1	E200.8	07/15/08 18:26/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/07/08 18:50/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:50/eli-c
METALS - SUSPENDED								
Uranium	0.0015	mg/L		0.0003		1	E200.8	07/10/08 12:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	116	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Alpha precision (±)	12.8	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Alpha MDC	9.9	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta	33.9	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta precision (±)	6.9	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta MDC	10.5	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Lead 210	-5.3	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	4.7	pCi/L				1	E903.0	07/22/08 00:40/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/22/08 00:40/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:06/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/28/08 20:06/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.9	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.36	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	07/16/08 01:53/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-006
Client Sample ID: DewBurd GW3026

Report Date: 08/21/08
Collection Date: 06/24/08 20:06
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/16/08 01:53/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/16/08 01:53/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/11/08 17:06/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/11/08 17:06/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	950	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	137	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 02:54/eli-c
Arsenic	0.025	mg/L		0.001		10	E200.8	07/17/08 02:54/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:50/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:36/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/08/08 02:50/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 02:54/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:50/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:50/eli-c
Iron	21.8	mg/L		0.03		2	E200.7	07/08/08 02:50/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 02:54/eli-c
Manganese	1.46	mg/L		0.01		2	E200.7	07/08/08 02:50/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:56/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:50/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:50/eli-c
Selenium	0.005	mg/L	D	0.002		10	E200.8	07/17/08 02:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:36/eli-c
Strontium	7.4	mg/L		0.1		2	E200.7	07/08/08 02:50/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 02:54/eli-c
Uranium	0.0216	mg/L		0.0003		10	E200.8	07/17/08 02:54/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/08/08 02:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.44	%				1	A1030 E	08/21/08 00:00/kl
Anions	41.2	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	42.4	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	2710	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	08/21/08 00:00/kl

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-007
Client Sample ID: DewBurd BLK01

Report Date: 08/21/08
Collection Date: 06/24/08 20:10
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
MAJOR IONS									
Alkalinity, Total as CaCO3	ND	mg/L		5		1		A2320 B	07/03/08 11:47/mb
Carbonate as CO3	ND	mg/L		5		1		A2320 B	07/03/08 11:47/mb
Bicarbonate as HCO3	ND	mg/L		5		1		A2320 B	07/03/08 11:47/mb
Calcium	ND	mg/L		0.5		2		E200.7	07/07/08 18:54/eli-c
Chloride	ND	mg/L		1		1		E300.0	06/28/08 05:29/jmh
Fluoride	0.3	mg/L		0.1		1		E300.0	06/28/08 05:29/jmh
Magnesium	ND	mg/L		0.5		2		E200.7	07/07/08 18:54/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1		A4500-NH3 G	06/25/08 15:53/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1		E300.0	06/27/08 01:19/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1		E300.0	06/27/08 01:19/jmh
Potassium	ND	mg/L		0.5		2		E200.7	07/07/08 18:54/eli-c
Silica	ND	mg/L		0.5		2		E200.7	07/07/08 18:54/eli-c
Sodium	ND	mg/L	D	2		2		E200.7	07/07/08 18:54/eli-c
Sulfate	1	mg/L		1		1		E300.0	06/28/08 05:29/jmh
PHYSICAL PROPERTIES									
Conductivity @ 25 C	10.9	umhos/cm		5.0		1		A2510 B	07/01/08 11:12/tb
Oxidation-Reduction Potential	360	mV				1		A2580 B	06/27/08 00:00/jmh
pH	4.52	s.u.		0.01		1		A4500-H B	07/01/08 10:10/tb
Solids, Total Dissolved TDS @ 180 C	20	mg/L		5		1		A2540 C	06/27/08 11:59/mb
METALS - DISSOLVED									
Aluminum	ND	mg/L		0.1		2		E200.7	07/07/08 18:54/eli-c
Arsenic	ND	mg/L		0.001		1		E200.8	07/15/08 18:33/eli-c
Barium	ND	mg/L		0.1		2		E200.7	07/07/08 18:54/eli-c
Boron	ND	mg/L		0.1		2		E200.7	07/07/08 18:54/eli-c
Cadmium	ND	mg/L		0.005		1		E200.8	07/15/08 18:33/eli-c
Chromium	ND	mg/L		0.05		2		E200.7	07/07/08 18:54/eli-c
Copper	ND	mg/L		0.01		1		E200.8	07/15/08 18:33/eli-c
Iron	ND	mg/L		0.03		2		E200.7	07/07/08 18:54/eli-c
Lead	ND	mg/L		0.001		1		E200.8	07/15/08 18:33/eli-c
Manganese	ND	mg/L		0.01		2		E200.7	07/07/08 18:54/eli-c
Mercury	ND	mg/L		0.001		1		E200.8	07/15/08 18:33/eli-c
Molybdenum	ND	mg/L		0.1		2		E200.7	07/07/08 18:54/eli-c
Nickel	ND	mg/L		0.05		2		E200.7	07/07/08 18:54/eli-c
Selenium	ND	mg/L		0.001		1		A3114 B	07/19/08 16:23/eli-c
Silver	ND	mg/L		0.005		1		E200.8	07/15/08 18:33/eli-c
Thorium 232	ND	mg/L		0.005		1		E200.8	07/15/08 18:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-007
Client Sample ID: DewBurd BLK01

Report Date: 08/21/08
Collection Date: 06/24/08 20:10
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/15/08 18:33/eli-c
Vanadium	0.2	mg/L		0.1		2	E200.7	07/07/08 18:54/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:54/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1.7	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Alpha MDC	0.9	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta	1.4	pCi/L	U			1	E900.0	07/19/08 22:56/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Gross Beta MDC	2.5	pCi/L				1	E900.0	07/19/08 22:56/eli-c
Lead 210	-3.4	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	-0.06	pCi/L	U			1	E903.0	07/22/08 00:40/eli-c
Radium 226 precision (±)	0.09	pCi/L				1	E903.0	07/22/08 00:40/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:06/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	07/28/08 20:06/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.5	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	07/16/08 01:53/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/16/08 01:53/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-007
Client Sample ID: DewBurd BLK01

Report Date: 08/21/08
Collection Date: 06/24/08 20:10
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/16/08 01:53/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	07/11/08 17:06/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/11/08 17:06/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	362	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	129	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/10/08 01:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/10/08 01:43/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:54/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:42/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/10/08 01:43/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:54/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:54/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/08/08 02:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/10/08 01:43/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	07/08/08 02:54/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:58/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:54/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:54/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/17/08 03:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:42/eli-c
Strontium	ND	mg/L		0.1		2	E200.7	07/08/08 02:54/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/10/08 01:43/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 01:43/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:54/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080703A-ALK-SEL-W							
Sample ID: LCS1_080703A	Laboratory Control Sample				Run: PH_COND1-R_080703A		07/03/08 11:24		
Alkalinity, Total as CaCO ₃	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080703A	Method Blank				Run: PH_COND1-R_080703A		07/03/08 11:25		
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08060452-002AMS	Sample Matrix Spike				Run: PH_COND1-R_080703A		07/03/08 11:59		
Alkalinity, Total as CaCO ₃	246	mg/L	5.0	102	80	120			
Sample ID: R08060452-002AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080703A		07/03/08 12:01		
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	98	80	120	1.6	10	
Method: A2510 B		Batch: 080701_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080701	Laboratory Control Sample				Run: PH_COND2-R_080701B		07/01/08 10:58		
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080701	Laboratory Control Sample				Run: PH_COND2-R_080701B		07/01/08 10:59		
Conductivity @ 25 C	160	umhos/cm	5.0	107	90	110			
Sample ID: LCS2-1_080701	Laboratory Control Sample				Run: PH_COND2-R_080701B		07/01/08 11:01		
Conductivity @ 25 C	5200	umhos/cm	5.0	104	90	110			
Sample ID: MBLK-1_080701	Method Blank				Run: PH_COND2-R_080701B		07/01/08 11:26		
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C		Batch: 080627A-SLDS-TDS-W							
Sample ID: LCS1_080627A	Laboratory Control Sample				Run: BAL-4-R_080627A		06/27/08 11:42		
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	98	90	110			
Sample ID: MBLK1_080627A	Method Blank				Run: BAL-4-R_080627A		06/27/08 11:44		
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060427-001AMS	Sample Matrix Spike				Run: BAL-4-R_080627A		06/27/08 11:55		
Solids, Total Dissolved TDS @ 180 C	2400	mg/L	5.0	111	80	120			
Sample ID: R08060427-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080627A		06/27/08 11:56		
Solids, Total Dissolved TDS @ 180 C	2400	mg/L	5.0	113	80	120	0.2	10	
Sample ID: R08060452-002AMS	Sample Matrix Spike				Run: BAL-4-R_080627A		06/27/08 12:03		
Solids, Total Dissolved TDS @ 180 C	910	mg/L	5.0	117	80	120			
Sample ID: R08060452-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080627A		06/27/08 12:04		
Solids, Total Dissolved TDS @ 180 C	910	mg/L	5.0	118	80	120	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080627-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080627A		06/27/08 00:00		
Oxidation-Reduction Potential	470	mV		99	95	105			
Sample ID: R08060427-001F	Sample Duplicate				Run: PH_COND1-R_080627A		06/27/08 00:00		
Oxidation-Reduction Potential	90	mV					4.1	10	
Method: A3114 B							Batch: C_SE3114-080719B		
Sample ID: MBLK	Method Blank				Run: SUB-C104481		07/19/08 12:46		
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104481		07/19/08 12:48		
Selenium-IV	0.055	mg/L	0.0010	110	90	110			
Sample ID: C08061335-001AMS	Sample Matrix Spike				Run: SUB-C104481		07/19/08 12:52		
Selenium-IV	0.052	mg/L	0.0010	103	85	115			
Sample ID: C08061335-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104481		07/19/08 12:54		
Selenium-IV	0.052	mg/L	0.0010	104	85	115	1.2	10	
Sample ID: R08070005-001E	Sample Matrix Spike				Run: SUB-C104481		07/19/08 13:36		
Selenium-IV	0.052	mg/L	0.0010	103	85	115			
Sample ID: R08070005-001E	Sample Matrix Spike Duplicate				Run: SUB-C104481		07/19/08 13:38		
Selenium-IV	0.052	mg/L	0.0010	104	85	115	0.9	10	
Method: A3114 B							Batch: C_SE3114-080719D		
Sample ID: MBLK	Method Blank				Run: SUB-C104485		07/19/08 15:42		
Selenium	ND	mg/L	6E-05						
Sample ID: C08061335-001AMS	Sample Matrix Spike				Run: SUB-C104485		07/19/08 15:52		
Selenium	0.050	mg/L	0.0010	100	85	115			
Sample ID: C08061335-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104485		07/19/08 15:54		
Selenium	0.053	mg/L	0.0010	104	85	115	4.2	10	
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104485		07/19/08 15:47		
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: R08070005-001E	Sample Matrix Spike				Run: SUB-C104485		07/19/08 16:32		
Selenium	0.055	mg/L	0.0010	110	85	115			
Sample ID: R08070005-001E	Sample Matrix Spike Duplicate				Run: SUB-C104485		07/19/08 16:34		
Selenium	0.055	mg/L	0.0010	109	85	115	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B							Batch: 080701_1_PH-W		
Sample ID: LCS_pH-1_080701	Laboratory Control Sample				Run: PH_COND2-R_080701A		07/01/08 10:01		
pH	6.91	s.u.	0.010	101	98.55	101.45			
Method: A4500-NH3 G							Batch: A2008-06-25_2_NH3_01		
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080625A		06/25/08 14:58		
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080625A		06/25/08 14:59		
Nitrogen, Ammonia as N	0.28	mg/L	0.10	113	90	110			S
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080625A		06/25/08 15:00		
Nitrogen, Ammonia as N	0.28	mg/L	0.10	110	90	110			
Sample ID: R08060427-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080625A		06/25/08 15:45		
Nitrogen, Ammonia as N	0.43	mg/L	0.10	114	80	120			
Sample ID: R08060427-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080625A		06/25/08 15:46		
Nitrogen, Ammonia as N	0.43	mg/L	0.10	112	80	120	0.7	10	
Method: D5072-92							Batch: C_R103730		
Sample ID: C08070002-001ADUP	Sample Duplicate				Run: SUB-C103730		07/02/08 04:29		
Radon 222	225	pCi/L	100				13	30	
Sample ID: MB-R103730	Method Blank				Run: SUB-C103730		07/02/08 04:29		
Radon 222	20	pCi/L							
Sample ID: LCS-R103730	Laboratory Control Sample				Run: SUB-C103730		07/02/08 04:29		
Radon 222	303	pCi/L	100	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18996		
Sample ID: MB-18996	Method Blank		Run: SUB-C103815				07/08/08 01:32		
Barium	ND	mg/L	0.006						
Boron	0.08	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.003	mg/L	0.001						
Sample ID: LCS3-18996	Laboratory Control Sample		Run: SUB-C103815				07/08/08 01:36		
Barium	0.505	mg/L	0.10	101	85	115			
Boron	0.553	mg/L	0.10	95	85	115			
Chromium	0.512	mg/L	0.050	102	85	115			
Copper	0.516	mg/L	0.010	103	85	115			
Iron	2.59	mg/L	0.030	104	85	115			
Manganese	2.56	mg/L	0.010	103	85	115			
Molybdenum	0.509	mg/L	0.10	102	85	115			
Nickel	0.514	mg/L	0.050	103	85	115			
Strontium	0.533	mg/L	0.10	107	85	115			
Zinc	0.506	mg/L	0.010	101	85	115			
Sample ID: R08060427-007D	Sample Matrix Spike		Run: SUB-C103815				07/08/08 02:58		
Barium	0.526	mg/L	0.10	105	70	130			
Boron	0.512	mg/L	0.10	102	70	130			
Chromium	0.527	mg/L	0.050	105	70	130			
Copper	0.537	mg/L	0.010	107	70	130			
Iron	2.69	mg/L	0.030	107	70	130			
Manganese	2.66	mg/L	0.010	107	70	130			
Molybdenum	0.519	mg/L	0.10	104	70	130			
Nickel	0.523	mg/L	0.050	105	70	130			
Strontium	0.558	mg/L	0.10	112	70	130			
Zinc	0.527	mg/L	0.010	105	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate		Run: SUB-C103815				07/08/08 03:02		
Barium	0.504	mg/L	0.10	101	70	130	4.3	20	
Boron	0.495	mg/L	0.10	99	70	130	3.4	20	
Chromium	0.513	mg/L	0.050	103	70	130	2.7	20	
Copper	0.522	mg/L	0.010	104	70	130	2.9	20	
Iron	2.60	mg/L	0.030	104	70	130	3.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18996		
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate			Run: SUB-C103815			07/08/08 03:02		
Manganese	2.56	mg/L	0.010	102	70	130	4.1	20	
Molybdenum	0.505	mg/L	0.10	101	70	130	2.7	20	
Nickel	0.497	mg/L	0.050	99	70	130	5.1	20	
Strontium	0.545	mg/L	0.10	109	70	130	2.3	20	
Zinc	0.507	mg/L	0.010	101	70	130	3.9	20	
Sample ID: R08060427-007D	Sample Matrix Spike			Run: SUB-C103914			07/09/08 00:09		
Barium	0.510	mg/L	0.10	102	70	130			
Boron	0.493	mg/L	0.10	99	70	130			
Chromium	0.514	mg/L	0.050	103	70	130			
Copper	0.520	mg/L	0.010	104	70	130			
Iron	2.63	mg/L	0.030	105	70	130			
Manganese	2.55	mg/L	0.010	102	70	130			
Molybdenum	0.501	mg/L	0.10	100	70	130			
Nickel	0.507	mg/L	0.050	101	70	130			
Strontium	0.534	mg/L	0.10	107	70	130			
Zinc	0.508	mg/L	0.010	102	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate			Run: SUB-C103914			07/09/08 00:13		
Barium	0.502	mg/L	0.10	100	70	130	1.5	20	
Boron	0.489	mg/L	0.10	98	70	130	0.8	20	
Chromium	0.504	mg/L	0.050	101	70	130	1.9	20	
Copper	0.504	mg/L	0.010	101	70	130	3.1	20	
Iron	2.69	mg/L	0.030	108	70	130	2.3	20	
Manganese	2.53	mg/L	0.010	101	70	130	0.6	20	
Molybdenum	0.504	mg/L	0.10	101	70	130	0.7	20	
Nickel	0.503	mg/L	0.050	101	70	130	0.8	20	
Strontium	0.541	mg/L	0.10	108	70	130	1.3	20	
Zinc	0.507	mg/L	0.010	101	70	130	0.3	20	
Sample ID: R08060427-007D	Sample Matrix Spike			Run: SUB-C104107			07/11/08 17:32		
Barium	0.521	mg/L	0.10	104	70	130			
Boron	0.566	mg/L	0.10	104	70	130			
Chromium	0.528	mg/L	0.050	106	70	130			
Copper	0.532	mg/L	0.010	104	70	130			
Iron	2.69	mg/L	0.030	108	70	130			
Manganese	2.65	mg/L	0.010	106	70	130			
Molybdenum	0.520	mg/L	0.10	104	70	130			
Nickel	0.514	mg/L	0.050	103	70	130			
Strontium	0.543	mg/L	0.10	109	70	130			
Zinc	0.528	mg/L	0.010	105	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18996		
Sample ID: R08060427-007D		Sample Matrix Spike Duplicate			Run: SUB-C104107		07/11/08 17:36		
Barium	0.524	mg/L	0.10	105	70	130	0.7	20	
Boron	0.572	mg/L	0.10	106	70	130	1.1	20	
Chromium	0.534	mg/L	0.050	107	70	130	1.1	20	
Copper	0.539	mg/L	0.010	106	70	130	1.2	20	
Iron	2.77	mg/L	0.030	111	70	130	2.9	20	
Manganese	2.70	mg/L	0.010	108	70	130	1.7	20	
Molybdenum	0.520	mg/L	0.10	104	70	130	0.1	20	
Nickel	0.523	mg/L	0.050	105	70	130	1.8	20	
Strontium	0.530	mg/L	0.10	106	70	130	2.5	20	
Zinc	0.534	mg/L	0.010	106	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103815		
Sample ID: MB-080707A	Method Blank		Run: SUB-C103815				07/07/08 13:14		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.01	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	0.009	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080707A	Laboratory Fortified Blank		Run: SUB-C103815				07/07/08 13:18		
Silica	0.39	mg/L	0.10	98	85	125			
Aluminum	0.97	mg/L	0.10	97	85	125			
Barium	1.1	mg/L	0.10	106	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	1.1	mg/L	0.050	107	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	54	mg/L	0.50	109	85	125			
Manganese	1.1	mg/L	0.010	105	85	125			
Molybdenum	1.0	mg/L	0.10	105	85	125			
Nickel	1.1	mg/L	0.050	106	85	125			
Potassium	48	mg/L	0.50	95	85	125			
Sodium	52	mg/L	0.77	104	85	125			
Vanadium	1.1	mg/L	0.10	106	85	125			
Zinc	1.1	mg/L	0.010	106	85	125			
Sample ID: R08060427-001C	Sample Matrix Spike		Run: SUB-C103815				07/07/08 18:14		
Aluminum	2.11	mg/L	0.10	106	70	130			
Barium	2.05	mg/L	0.10	102	70	130			
Boron	2.15	mg/L	0.10	106	70	130			
Chromium	2.14	mg/L	0.050	106	70	130			
Iron	3.75	mg/L	0.030	107	70	130			
Manganese	4.53	mg/L	0.010	99	70	130			
Molybdenum	2.10	mg/L	0.10	105	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103815		
Sample ID: R08060427-001C	Sample Matrix Spike			Run: SUB-C103815			07/07/08 18:14		
Nickel	2.11	mg/L	0.050	105	70	130			
Vanadium	2.22	mg/L	0.10	108	70	130			
Zinc	2.16	mg/L	0.010	107	70	130			
Calcium	483	mg/L	1.0	90	70	130			
Magnesium	247	mg/L	1.0	106	70	130			
Potassium	108	mg/L	1.0	92	70	130			
Silica	5.99	mg/L	0.10		70	130			A
Sodium	191	mg/L	1.5	102	70	130			
Sample ID: R08060427-001C	Sample Matrix Spike Duplicate			Run: SUB-C103815			07/07/08 18:18		
Aluminum	2.23	mg/L	0.10	111	70	130	5.4	20	
Barium	2.05	mg/L	0.10	102	70	130	0.1	20	
Boron	2.18	mg/L	0.10	107	70	130	1.4	20	
Chromium	2.12	mg/L	0.050	106	70	130	0.8	20	
Iron	3.72	mg/L	0.030	106	70	130	0.8	20	
Manganese	4.58	mg/L	0.010	101	70	130	0.9	20	
Molybdenum	2.10	mg/L	0.10	105	70	130	0.0	20	
Nickel	2.11	mg/L	0.050	106	70	130	0.1	20	
Vanadium	2.14	mg/L	0.10	104	70	130	3.7	20	
Zinc	2.15	mg/L	0.010	107	70	130	0.4	20	
Calcium	497	mg/L	1.0	104	70	130	2.7	20	
Magnesium	249	mg/L	1.0	108	70	130	0.7	20	
Potassium	108	mg/L	1.0	92	70	130	0.2	20	
Silica	6.06	mg/L	0.10		70	130	1.2	20	A
Sodium	194	mg/L	1.5	105	70	130	1.4	20	
Sample ID: C08061166-001BMS2	Sample Matrix Spike			Run: SUB-C103815			07/07/08 19:02		
Aluminum	1.09	mg/L	0.10	109	70	130			
Barium	1.03	mg/L	0.10	102	70	130			
Boron	1.24	mg/L	0.10	104	70	130			
Calcium	57.4	mg/L	0.50	109	70	130			
Chromium	1.07	mg/L	0.050	107	70	130			
Iron	1.18	mg/L	0.030	108	70	130			
Magnesium	55.1	mg/L	0.50	110	70	130			
Manganese	1.05	mg/L	0.010	105	70	130			
Molybdenum	0.948	mg/L	0.10	95	70	130			
Nickel	1.07	mg/L	0.050	107	70	130			
Potassium	47.8	mg/L	0.50	95	70	130			
Silica	5.46	mg/L	0.10		70	130			A
Sodium	186	mg/L	0.77	94	70	130			
Vanadium	1.17	mg/L	0.10	105	70	130			

Qualifiers:

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A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103815		
Sample ID: C08061166-001BMS2	Sample Matrix Spike		Run: SUB-C103815				07/07/08 19:02		
Zinc	1.07	mg/L	0.010	107	70	130			
Sample ID: C08061166-001BMSD2	Sample Matrix Spike Duplicate		Run: SUB-C103815				07/07/08 19:06		
Aluminum	1.05	mg/L	0.10	105	70	130	3.7	20	
Barium	1.00	mg/L	0.10	99	70	130	2.3	20	
Boron	1.22	mg/L	0.10	102	70	130	1.6	20	
Calcium	56.7	mg/L	0.50	108	70	130	1.3	20	
Chromium	1.04	mg/L	0.050	104	70	130	2.6	20	
Iron	1.18	mg/L	0.030	107	70	130	0.5	20	
Magnesium	53.9	mg/L	0.50	108	70	130	2.2	20	
Manganese	1.03	mg/L	0.010	103	70	130	2.1	20	
Molybdenum	0.991	mg/L	0.10	99	70	130	4.5	20	
Nickel	1.03	mg/L	0.050	103	70	130	3.5	20	
Potassium	47.7	mg/L	0.50	95	70	130	0.1	20	
Silica	5.41	mg/L	0.10		70	130	0.9	20	A
Sodium	188	mg/L	0.77	98	70	130	1.2	20	
Vanadium	1.12	mg/L	0.10	101	70	130	3.9	20	
Zinc	1.05	mg/L	0.010	104	70	130	2.2	20	
Sample ID: C08060943-002BMS2	Sample Matrix Spike		Run: SUB-C103815				07/07/08 19:39		
Aluminum	8.45	mg/L	0.10		70	130			A
Barium	1.36	mg/L	0.10	102	70	130			
Boron	1.12	mg/L	0.10	106	70	130			
Chromium	1.08	mg/L	0.050	107	70	130			
Iron	13.4	mg/L	0.030		70	130			A
Manganese	1.61	mg/L	0.010	103	70	130			
Molybdenum	1.00	mg/L	0.10	100	70	130			
Nickel	1.08	mg/L	0.050	106	70	130			
Vanadium	1.13	mg/L	0.10	107	70	130			
Zinc	1.14	mg/L	0.010	107	70	130			
Calcium	87.5	mg/L	1.0	107	70	130			
Magnesium	66.9	mg/L	1.0	109	70	130			
Potassium	63.7	mg/L	1.0	87	70	130			
Silica	21.1	mg/L	0.10		70	130			A
Sodium	56.5	mg/L	1.0	105	70	130			
Sample ID: C08060943-002BMSD2	Sample Matrix Spike Duplicate		Run: SUB-C103815				07/07/08 19:43		
Aluminum	8.21	mg/L	0.10		70	130	2.8	20	A
Barium	1.35	mg/L	0.10	100	70	130	1.1	20	
Boron	1.13	mg/L	0.10	106	70	130	0.5	20	
Chromium	1.08	mg/L	0.050	107	70	130	0.3	20	

Qualifiers:

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A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103815		
Sample ID: C08060943-002BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C103815			07/07/08 19:43	
Iron	13.3	mg/L	0.030		70	130	0.5	20	A
Manganese	1.60	mg/L	0.010	101	70	130	1.1	20	
Molybdenum	1.01	mg/L	0.10	101	70	130	1.1	20	
Nickel	1.08	mg/L	0.050	106	70	130	0.4	20	
Vanadium	1.12	mg/L	0.10	106	70	130	1.1	20	
Zinc	1.12	mg/L	0.010	105	70	130	2.3	20	
Calcium	88.4	mg/L	1.0	109	70	130	1.0	20	
Magnesium	65.8	mg/L	1.0	106	70	130	1.7	20	
Potassium	64.7	mg/L	1.0	89	70	130	1.4	20	
Silica	20.8	mg/L	0.10		70	130	1.2	20	A
Sodium	56.3	mg/L	1.0	104	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18996
Sample ID: MB-18996	Method Blank		Run: SUB-C103950			07/10/08 00:55			
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.0008	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	0.0010	mg/L	5E-05						
Selenium	ND	mg/L	0.0002						
Silver	0.0002	mg/L	4E-05						
Thallium	ND	mg/L	3E-05						
Uranium	7E-05	mg/L	3E-05						
Sample ID: LCS3-18996	Laboratory Control Sample		Run: SUB-C103950			07/10/08 01:02			
Antimony	0.532	mg/L	0.050	106	85	115			
Arsenic	0.530	mg/L	0.0010	106	85	115			
Cadmium	0.264	mg/L	0.010	106	85	115			
Lead	0.522	mg/L	0.050	104	85	115			
Selenium	0.561	mg/L	0.0020	112	85	115			
Silver	0.0505	mg/L	0.010	101	85	115			
Thallium	0.508	mg/L	0.10	102	85	115			
Uranium	0.537	mg/L	0.00032	107	85	115			
Sample ID: R08060427-007D	Sample Matrix Spike		Run: SUB-C103950			07/10/08 01:50			
Antimony	0.521	mg/L	0.050	104	70	130			
Arsenic	0.517	mg/L	0.0010	103	70	130			
Beryllium	0.296	mg/L	0.010	118	70	130			
Cadmium	0.252	mg/L	0.010	101	70	130			
Lead	0.534	mg/L	0.050	107	70	130			
Selenium	0.520	mg/L	0.0010	104	70	130			
Silver	0.0534	mg/L	0.010	107	70	130			
Thallium	0.536	mg/L	0.10	107	70	130			
Uranium	0.569	mg/L	0.00030	114	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate		Run: SUB-C103950			07/10/08 01:56			
Antimony	0.514	mg/L	0.050	103	70	130	1.3	20	
Arsenic	0.512	mg/L	0.0010	102	70	130	1.0	20	
Beryllium	0.287	mg/L	0.010	115	70	130	3.0	20	
Cadmium	0.253	mg/L	0.010	101	70	130	0.4	20	
Lead	0.524	mg/L	0.050	105	70	130	1.9	20	
Selenium	0.513	mg/L	0.0010	103	70	130	1.4	20	
Silver	0.0533	mg/L	0.010	107	70	130	0.1	20	
Thallium	0.529	mg/L	0.10	106	70	130	1.3	20	
Uranium	0.560	mg/L	0.00030	112	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18996		
Sample ID: MB-18996	Method Blank			Run: SUB-C104345			07/16/08 22:50		
Antimony	0.0008	mg/L	0.0002						
Arsenic	0.002	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Selenium	ND	mg/L	0.0002						
Silver	0.0001	mg/L	4E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18996	Laboratory Control Sample			Run: SUB-C104345			07/16/08 22:56		
Arsenic	0.574	mg/L	0.0010	114	85	115			
Cadmium	0.283	mg/L	0.010	113	85	115			
Lead	0.566	mg/L	0.050	113	85	115			
Selenium	0.560	mg/L	0.0020	112	85	115			
Silver	0.0526	mg/L	0.010	105	85	115			
Thallium	0.556	mg/L	0.10	111	85	115			
Sample ID: R08060427-007D	Sample Matrix Spike			Run: SUB-C104345			07/17/08 03:07		
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.492	mg/L	0.0010	98	70	130			
Beryllium	0.269	mg/L	0.010	108	70	130			
Cadmium	0.246	mg/L	0.010	98	70	130			
Lead	0.490	mg/L	0.050	98	70	130			
Selenium	0.491	mg/L	0.0020	98	70	130			
Silver	0.0448	mg/L	0.010	90	70	130			
Thallium	0.482	mg/L	0.10	96	70	130			
Uranium	0.511	mg/L	0.00032	102	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate			Run: SUB-C104345			07/17/08 03:14		
Antimony	0.503	mg/L	0.050	101	70	130	7.0	20	
Arsenic	0.465	mg/L	0.0010	92	70	130	5.7	20	
Beryllium	0.248	mg/L	0.010	99	70	130	8.0	20	
Cadmium	0.227	mg/L	0.010	91	70	130	7.6	20	
Lead	0.452	mg/L	0.050	90	70	130	8.0	20	
Selenium	0.456	mg/L	0.0020	91	70	130	7.4	20	
Silver	0.0429	mg/L	0.010	86	70	130	4.4	20	
Thallium	0.448	mg/L	0.10	90	70	130	7.4	20	
Uranium	0.472	mg/L	0.00032	94	70	130	8.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/21/08

Project: Edgemont

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18996		
Sample ID: MB-18996	Method Blank		Run: SUB-C104438				07/17/08 13:21		
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.0005	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	0.0002	mg/L	5E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0007	mg/L	4E-05						
Thallium	4E-05	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18996	Laboratory Control Sample		Run: SUB-C104438				07/17/08 13:28		
Antimony	0.550	mg/L	0.050	110	85	115			
Arsenic	0.514	mg/L	0.0010	103	85	115			
Beryllium	0.248	mg/L	0.010	99	85	115			
Cadmium	0.259	mg/L	0.010	104	85	115			
Lead	0.510	mg/L	0.050	102	85	115			
Selenium	0.507	mg/L	0.0020	101	85	115			
Silver	0.0439	mg/L	0.010	86	85	115			
Thallium	0.500	mg/L	0.10	100	85	115			
Uranium	0.520	mg/L	0.00032	104	85	115			
Sample ID: R08060427-007D	Sample Matrix Spike		Run: SUB-C104438				07/17/08 14:49		
Antimony	0.0550	mg/L	0.050	110	70	130			
Arsenic	0.0525	mg/L	0.0010	105	70	130			
Beryllium	0.0261	mg/L	0.010	131	70	130			S
Cadmium	0.0255	mg/L	0.010	128	70	130			
Lead	0.0516	mg/L	0.050	103	70	130			
Selenium	0.0520	mg/L	0.0010	104	70	130			
Silver	0.00437	mg/L	0.010	109	70	130			
Thallium	0.0506	mg/L	0.10	101	70	130			
Uranium	0.0531	mg/L	0.00030	106	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate		Run: SUB-C104438				07/17/08 14:56		
Antimony	0.0545	mg/L	0.050	109	70	130	0.9	20	
Arsenic	0.0508	mg/L	0.0010	101	70	130	3.3	20	
Beryllium	0.0252	mg/L	0.010	126	70	130	3.7	20	
Cadmium	0.0256	mg/L	0.010	128	70	130	0.1	20	
Lead	0.0500	mg/L	0.050	100	70	130	3.1	20	
Selenium	0.0504	mg/L	0.0010	101	70	130	3.1	20	
Silver	0.00451	mg/L	0.010	113	70	130	0.0	20	
Thallium	0.0495	mg/L	0.10	99	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18996		
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate			Run: SUB-C104438			07/17/08 14:56		
Uranium	0.0510	mg/L	0.00030	102	70	130	3.9	20	
Sample ID: R08060427-007D	Sample Matrix Spike			Run: SUB-C104503			07/18/08 17:58		
Antimony	0.571	mg/L	0.050	114	70	130			
Arsenic	0.515	mg/L	0.0010	103	70	130			
Cadmium	0.254	mg/L	0.010	101	70	130			
Lead	0.539	mg/L	0.050	108	70	130			
Selenium	0.506	mg/L	0.0010	101	70	130			
Silver	0.0499	mg/L	0.010	100	70	130			
Thallium	0.546	mg/L	0.10	109	70	130			
Uranium	0.587	mg/L	0.00030	117	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate			Run: SUB-C104503			07/18/08 18:04		
Antimony	0.564	mg/L	0.050	113	70	130	1.2	20	
Arsenic	0.507	mg/L	0.0010	101	70	130	1.5	20	
Cadmium	0.253	mg/L	0.010	101	70	130	0.2	20	
Lead	0.526	mg/L	0.050	105	70	130	2.5	20	
Selenium	0.496	mg/L	0.0010	99	70	130	1.8	20	
Silver	0.0496	mg/L	0.010	99	70	130	0.6	20	
Thallium	0.536	mg/L	0.10	107	70	130	1.7	20	
Uranium	0.581	mg/L	0.00030	116	70	130	1.0	20	
Sample ID: R08060427-007D	Sample Matrix Spike			Run: SUB-C104617			07/21/08 16:58		
Antimony	0.595	mg/L	0.050	119	70	130			
Arsenic	0.509	mg/L	0.0010	101	70	130			
Beryllium	0.269	mg/L	0.010	108	70	130			
Cadmium	0.264	mg/L	0.010	106	70	130			
Lead	0.519	mg/L	0.050	104	70	130			
Selenium	0.503	mg/L	0.0010	100	70	130			
Silver	0.0497	mg/L	0.010	99	70	130			
Thallium	0.518	mg/L	0.10	104	70	130			
Uranium	0.584	mg/L	0.00030	117	70	130			
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate			Run: SUB-C104617			07/21/08 17:05		
Antimony	0.579	mg/L	0.050	116	70	130	2.7	20	
Arsenic	0.508	mg/L	0.0010	101	70	130	0.2	20	
Beryllium	0.267	mg/L	0.010	107	70	130	0.8	20	
Cadmium	0.256	mg/L	0.010	102	70	130	3.1	20	
Lead	0.522	mg/L	0.050	104	70	130	0.7	20	
Selenium	0.503	mg/L	0.0010	101	70	130	0.1	20	
Silver	0.0485	mg/L	0.010	97	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18996
Sample ID: R08060427-007D	Sample Matrix Spike Duplicate				Run: SUB-C104617				07/21/08 17:05
Thallium	0.523	mg/L	0.10	105	70	130	1.0	20	
Uranium	0.586	mg/L	0.00030	117	70	130	0.3	20	
Method: E200.8									Batch: C_19014
Sample ID: MB-19014	Method Blank				Run: SUB-C104018				07/10/08 11:31
Uranium	2E-05	mg/L	2E-05						
Sample ID: LCS1-19014	Laboratory Control Sample				Run: SUB-C104018				07/10/08 11:36
Uranium	0.0504	mg/L	0.00030	96	80	120			
Sample ID: R08060427-007I	Post Digestion Spike				Run: SUB-C104018				07/10/08 12:51
Uranium	0.0119	mg/L	0.00030	95	70	130			
Sample ID: R08060427-007I	Post Digestion Spike Duplicate				Run: SUB-C104018				07/10/08 12:56
Uranium	0.0120	mg/L	0.00030	95	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104306		
Sample ID: LRB	Method Blank		Run: SUB-C104306				07/15/08 12:08		
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	7E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104306				07/15/08 12:15		
Arsenic	0.0503	mg/L	0.0010	101	85	115			
Cadmium	0.0500	mg/L	0.0010	100	85	115			
Copper	0.0505	mg/L	0.0010	101	85	115			
Lead	0.0512	mg/L	0.0010	102	85	115			
Mercury	0.00506	mg/L	0.0010	101	85	115			
Silver	0.0194	mg/L	0.0010	97	85	115			
Thorium 232	0.0507	mg/L	0.0010	101	85	115			
Uranium	0.0509	mg/L	0.00030	102	85	115			
Sample ID: C08061021-002CMS4	Post Digestion Spike		Run: SUB-C104306				07/15/08 19:27		
Arsenic	0.459	mg/L	0.0010	90	70	130			
Cadmium	0.433	mg/L	0.010	86	70	130			
Copper	0.464	mg/L	0.010	89	70	130			
Lead	0.456	mg/L	0.050	87	70	130			
Mercury	0.0437	mg/L	0.0010	87	70	130			
Silver	0.172	mg/L	0.010	86	70	130			
Thorium 232	0.436	mg/L	0.0010	86	70	130			
Uranium	0.439	mg/L	0.00030	87	70	130			
Sample ID: C08061021-002CMSD4	Post Digestion Spike Duplicate		Run: SUB-C104306				07/15/08 19:34		
Arsenic	0.541	mg/L	0.0010	107	70	130	16	20	
Cadmium	0.530	mg/L	0.010	106	70	130	20	20	R
Copper	0.541	mg/L	0.010	104	70	130	15	20	
Lead	0.546	mg/L	0.050	105	70	130	18	20	
Mercury	0.0529	mg/L	0.0010	106	70	130	19	20	
Silver	0.177	mg/L	0.010	89	70	130	3.2	20	
Thorium 232	0.528	mg/L	0.0010	105	70	130	19	20	
Uranium	0.528	mg/L	0.00030	105	70	130	18	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: B_33309		
Sample ID: MB-33309	Method Blank					Run: SUB-B113606	07/07/08 19:32		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33309	Laboratory Fortified Blank					Run: SUB-B113606	07/07/08 19:39		
Mercury	0.0020	mg/L	0.0010	100	85	115			
Sample ID: B08062869-005AMS	Sample Matrix Spike					Run: SUB-B113606	07/07/08 20:21		
Mercury	0.0022	mg/L	0.0010	105	70	130			
Sample ID: B08062869-005AMSD	Sample Matrix Spike Duplicate					Run: SUB-B113606	07/07/08 20:24		
Mercury	0.0022	mg/L	0.0010	106	70	130	0.5	30	
Method: E245.1							Batch: B_33393		
Sample ID: MB-33393	Method Blank					Run: SUB-B113690	07/09/08 11:37		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33393	Laboratory Fortified Blank					Run: SUB-B113690	07/09/08 11:39		
Mercury	0.0020	mg/L	0.0010	101	85	115			
Sample ID: R08060427-002D	Sample Matrix Spike					Run: SUB-B113690	07/09/08 11:44		
Mercury	0.0021	mg/L	0.0010	102	70	130			
Sample ID: R08060427-002D	Sample Matrix Spike Duplicate					Run: SUB-B113690	07/09/08 11:46		
Mercury	0.0022	mg/L	0.0010	108	70	130	5.5	30	
Sample ID: B08070638-001BMS	Sample Matrix Spike					Run: SUB-B113690	07/09/08 12:07		
Mercury	0.0022	mg/L	0.0010	108	70	130			
Sample ID: B08070638-001BMSD	Sample Matrix Spike Duplicate					Run: SUB-B113690	07/09/08 12:10		
Mercury	0.0021	mg/L	0.0010	103	70	130	4.2	30	
Method: E245.1							Analytical Run: SUB-B113606		
Sample ID: QCS	Initial Calibration Verification Standard						07/07/08 19:22		
Mercury	0.0020	mg/L	0.0010	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35707
Sample ID: LFB0806260829-3	Laboratory Fortified Blank			Run: DIONEX_080627A			06/26/08 19:18		
Chloride	4.77	mg/L	0.50	95	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.46	mg/L	0.10	98	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: LFB0806260829-4	Laboratory Fortified Blank			Run: DIONEX_080627A			06/26/08 19:34		
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	1.84	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.48	mg/L	0.10	99	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: R08060426-001AMS	Sample Matrix Spike			Run: DIONEX_080627A			06/26/08 20:07		
Chloride	6.85	mg/L	0.50	86	80	120			
Fluoride	2.13	mg/L	0.10	92	80	120			
Nitrogen, Nitrate as N	2.28	mg/L	0.10	87	80	120			
Nitrogen, Nitrite as N	2.41	mg/L	0.10	96	80	120			
Sulfate	66.3	mg/L	1.0	65	80	120			S
Sample ID: R08060426-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080627A			06/26/08 20:23		
Chloride	6.96	mg/L	0.50	88	80	120	1.6	10	
Fluoride	2.18	mg/L	0.10	95	80	120	2.3	10	
Nitrogen, Nitrate as N	2.35	mg/L	0.10	90	80	120	3.0	10	
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	80	120	2.5	10	
Sulfate	66.6	mg/L	1.0	68	80	120	0.5	10	S
Sample ID: R08060427-004AMS	Sample Matrix Spike			Run: DIONEX_080627A			06/26/08 23:24		
Chloride	105	mg/L	2.2	89	80	120			
Fluoride	37.6	mg/L	0.22	87	80	120			
Nitrogen, Nitrate as N	47.1	mg/L	0.50	94	80	120			
Nitrogen, Nitrite as N	50.0	mg/L	1.2	100	80	120			
Sulfate	699	mg/L	1.3	86	80	120			
Sample ID: R08060427-004AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080627A			06/26/08 23:40		
Chloride	102	mg/L	2.2	87	80	120	2.7	10	
Fluoride	36.3	mg/L	0.22	84	80	120	3.6	10	
Nitrogen, Nitrate as N	45.5	mg/L	0.50	91	80	120	3.5	10	
Nitrogen, Nitrite as N	48.3	mg/L	1.2	97	80	120	3.5	10	
Sulfate	709	mg/L	1.3	89	80	120	1.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35707		
Sample ID: R08060430-001BMS	Sample Matrix Spike		Run: DIONEX_080627A				06/27/08 02:41		
Chloride	10.6	mg/L	0.50	91	80	120			
Fluoride	2.42	mg/L	0.10	94	80	120			
Nitrogen, Nitrate as N	2.88	mg/L	0.10	93	80	120			
Nitrogen, Nitrite as N	2.54	mg/L	0.10	102	80	120			
Sulfate	42.6	mg/L	1.0	81	80	120			
Sample ID: R08060430-001BMSD	Sample Matrix Spike Duplicate		Run: DIONEX_080627A				06/27/08 02:57		
Chloride	10.3	mg/L	0.50	85	80	120	2.9	10	
Fluoride	2.30	mg/L	0.10	88	80	120	5.1	10	
Nitrogen, Nitrate as N	2.73	mg/L	0.10	87	80	120	5.3	10	
Nitrogen, Nitrite as N	2.39	mg/L	0.10	96	80	120	6.1	10	
Sulfate	41.8	mg/L	1.0	76	80	120	1.8	10	S
Method: E300.0							Batch: R35734		
Sample ID: LFB0806275602-3	Laboratory Fortified Blank		Run: DIONEX_080625B				06/27/08 17:26		
Chloride	4.75	mg/L	0.50	95	90	110			
Fluoride	1.87	mg/L	0.10	94	90	110			
Sulfate	14.2	mg/L	1.0	95	90	110			
Sample ID: LFB0806275602-4	Laboratory Fortified Blank		Run: DIONEX_080625B				06/27/08 17:43		
Chloride	4.72	mg/L	0.50	94	90	110			
Fluoride	1.86	mg/L	0.10	93	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: R08060307-006BMS	Sample Matrix Spike		Run: DIONEX_080625B				06/28/08 04:07		
Chloride	154	mg/L	2.2	86	80	120			
Fluoride	36.4	mg/L	0.22	84	80	120			
Sulfate	730	mg/L	1.3	83	80	120			
Sample ID: R08060307-006BMSD	Sample Matrix Spike Duplicate		Run: DIONEX_080625B				06/28/08 04:23		
Chloride	154	mg/L	2.2	86	80	120	0.1	10	
Fluoride	36.5	mg/L	0.22	84	80	120	0.4	10	
Sulfate	728	mg/L	1.3	82	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0479		
Sample ID: MB-GrAB-0479	Method Blank				Run: SUB-C104549		07/19/08 01:29		
Gross Alpha	2	pCi/L							
Gross Beta	-0.9	pCi/L					U		
Sample ID: UNAT-GrAB-0479	Laboratory Control Sample				Run: SUB-C104549		07/19/08 01:29		
Gross Alpha	130	pCi/L	90		70	130			
Sample ID: R08060427-007H	Sample Matrix Spike				Run: SUB-C104549		07/19/08 22:57		
Gross Alpha	160	pCi/L	115		70	130			
Sample ID: R08060427-007H	Sample Matrix Spike Duplicate				Run: SUB-C104549		07/19/08 22:57		
Gross Alpha	150	pCi/L	107		70	130	7.6	15.2	
Sample ID: R08060427-007H	Sample Matrix Spike				Run: SUB-C104549		07/19/08 22:57		
Gross Beta	93	pCi/L	97		70	130			
Sample ID: R08060427-007H	Sample Matrix Spike Duplicate				Run: SUB-C104549		07/19/08 22:57		
Gross Beta	89	pCi/L	93		70	130	4.2	16	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1							Batch: C_R104840		
Sample ID: LCS-R104840	Laboratory Control Sample			Run: SUB-C104840			07/17/08 13:12		
Americium 241	230000	pCi/L	20	75	70	130			
Cesium 137	460000	pCi/L	20	106	70	130			
Cobalt 60	320000	pCi/L	20	101	70	130			
Sample ID: MB-R104840	Method Blank			Run: SUB-C104840			07/17/08 13:12		
Americium 241	ND	pCi/L							
Barium 133	ND	pCi/L							
Bismuth 212	ND	pCi/L							
Bismuth 214	ND	pCi/L							
Cesium 134	ND	pCi/L							
Cesium 137	ND	pCi/L							
Cobalt 60	ND	pCi/L							
Iodine 125	ND	pCi/L							
Iodine 131	ND	pCi/L							
Lead 212	ND	pCi/L							
Lead 214	ND	pCi/L							
Manganese 54	ND	pCi/L							
Potassium 40	ND	pCi/L							
Radium 223	ND	pCi/L							
Radium 224	ND	pCi/L							
Thallium 208	ND	pCi/L							
Thorium 228	ND	pCi/L							
Thorium 234	ND	pCi/L							
Zinc 65	ND	pCi/L							
Radium 228	ND	pCi/L							
Gross Gamma	ND	pCi/L							U
Sample ID: R08060427-007H	Sample Duplicate			Run: SUB-C104840			07/17/08 13:12		
Americium 241	ND	pCi/L	20				0.0		30
Barium 133	ND	pCi/L	20				0.0		30
Bismuth 212	ND	pCi/L	20				0.0		30
Bismuth 214	ND	pCi/L	20				0.0		30
Cesium 134	ND	pCi/L	20				0.0		30
Cesium 137	ND	pCi/L	20				0.0		30
Cobalt 60	ND	pCi/L	20				0.0		30
Iodine 125	ND	pCi/L	20				0.0		30
Iodine 131	ND	pCi/L	20				0.0		30
Lead 212	ND	pCi/L	20				0.0		30
Lead 214	ND	pCi/L	20				0.0		30
Manganese 54	ND	pCi/L	20				0.0		30
Potassium 40	ND	pCi/L	20				0.0		30

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1							Batch: C_R104840		
Sample ID: R08060427-007H	Sample Duplicate				Run: SUB-C104840		07/17/08 13:12		
Radium 223	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	
Zinc 65	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Gross Gamma	ND	pCi/L	20				0.0	30	
Method: E903.0							Batch: C_19014		
Sample ID: C08061333-004IMS	Sample Matrix Spike				Run: SUB-C104316		07/15/08 21:56		
Radium 226	140	pCi/L		92	70	130			
Sample ID: C08061333-004IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104316		07/15/08 21:56		
Radium 226	150	pCi/L		95	70	130	3.6	24.2	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C104316		07/16/08 01:53		
Radium 226	13	pCi/L		94	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C104316		07/16/08 01:53		
Radium 226	-2	pCi/L							U
Method: E903.0							Batch: C_RA226-2936		
Sample ID: MB-RA226-2936	Method Blank				Run: SUB-C104623		07/21/08 18:07		
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2936	Laboratory Control Sample				Run: SUB-C104623		07/22/08 00:40		
Radium 226	7.6	pCi/L		98	70	130			
Sample ID: C08061394-007HMS	Sample Matrix Spike				Run: SUB-C104623		07/22/08 00:40		
Radium 226	17	pCi/L		107	70	130			
Sample ID: C08061394-007HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104623		07/22/08 00:40		
Radium 226	16	pCi/L		103	70	130	3.9	23.9	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_19014		
Sample ID: R08060427-007I	Sample Matrix Spike				Run: SUB-C104248		07/11/08 17:06		
Thorium 230	21.4	pCi/L	0.20	92	70	130			
Sample ID: R08060427-007I	Sample Matrix Spike Duplicate				Run: SUB-C104248		07/11/08 17:07		
Thorium 230	19.9	pCi/L	0.20	90	70	130	7.4	30	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C104248		07/11/08 17:07		
Thorium 230	46.6	pCi/L	0.20	98	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C104248		07/11/08 17:07		
Thorium 230	-0.08	pCi/L							U
Method: E907.0							Batch: C_RA-TH-ISO-0578		
Sample ID: LCS-RA-TH-ISO-0578	Laboratory Control Sample				Run: SUB-C105021		07/28/08 15:48		
Thorium 230	6.00	pCi/L	0.20	98	70	130			
Sample ID: R08060427-001H	Sample Matrix Spike				Run: SUB-C105021		07/28/08 15:49		
Thorium 230	14.9	pCi/L	0.20	91	70	130			
Sample ID: R08060427-001H	Sample Matrix Spike Duplicate				Run: SUB-C105021		07/28/08 20:05		
Thorium 230	16.8	pCi/L	0.20	104	70	130	12	30	
Sample ID: MB-RA-TH-ISO-0578	Method Blank				Run: SUB-C105021		07/28/08 20:06		
Thorium 230	-0.008	pCi/L							U
Method: E909.0M							Batch: C_19014		
Sample ID: R08060427-001I	Sample Matrix Spike				Run: SUB-C105485		07/08/08 06:20		
Lead 210	150	pCi/L		52	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: R08060427-001I	Sample Matrix Spike Duplicate				Run: SUB-C105485		07/08/08 06:20		
Lead 210	230	pCi/L		78	70	130	38	30	R
Sample ID: MB-R105485	Method Blank				Run: SUB-C105485		07/08/08 06:20		
Lead 210	4	pCi/L							U
Sample ID: LCS-R105485	Laboratory Control Sample				Run: SUB-C105485		07/08/08 06:20		
Lead 210	140	pCi/L		115	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M							Batch: C_R105208		
Sample ID: R08060427-002H	Sample Matrix Spike		Run: SUB-C105208		07/11/08 07:20				
Lead 210	310	pCi/L	53	70	130				S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: R08060427-002H	Sample Matrix Spike Duplicate		Run: SUB-C105208		07/11/08 07:20				
Lead 210	360	pCi/L	61	70	130	15	30		S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08061333-001HDUP	Sample Duplicate		Run: SUB-C105208		07/11/08 07:20				
Lead 210	-5.5	pCi/L	1.0			0.0	30		U
Sample ID: MB-R105208	Method Blank		Run: SUB-C105208		07/11/08 07:20				
Lead 210	-5	pCi/L							U
Sample ID: LCS-R105208	Laboratory Control Sample		Run: SUB-C105208		07/11/08 07:20				
Lead 210	110	pCi/L	96	70	130				
Method: RMO-3008							Batch: C_19014		
Sample ID: C08061292-001BMS	Sample Matrix Spike		Run: SUB-C106196		08/18/08 17:00				
Polonium 210	18	pCi/L	1.0	124	70	130			
Sample ID: C08061292-001BMSD	Sample Matrix Spike Duplicate		Run: SUB-C106196		08/18/08 17:00				
Polonium 210	15	pCi/L	1.0	104	70	130	18	30	
Sample ID: LCS-19014	Laboratory Control Sample		Run: SUB-C106196		08/18/08 17:00				
Polonium 210	84	pCi/L	1.0	101	70	130			
Sample ID: MB-19014	Method Blank		Run: SUB-C106196		08/18/08 17:00				
Polonium 210	1	pCi/L							
Method: RMO-3008							Batch: C_R104456		
Sample ID: R08060427-001H	Sample Matrix Spike		Run: SUB-C104456		07/14/08 17:45				
Polonium 210	66	pCi/L	1.0	75	70	130			
Sample ID: R08060427-001H	Sample Matrix Spike Duplicate		Run: SUB-C104456		07/14/08 17:45				
Polonium 210	59	pCi/L	1.0	67	70	130	11	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: LCS-R104456	Laboratory Control Sample		Run: SUB-C104456		07/14/08 17:45				
Polonium 210	35	pCi/L	1.0	81	70	130			
Sample ID: MB-R104456	Method Blank		Run: SUB-C104456		07/14/08 17:45				
Polonium 210	-0.2	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08060427

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A							Analytical Run: SUB-B113690		
Sample ID: QCS	Initial Calibration Verification Standard						07/09/08 07:00		
Mercury	0.0020	mg/L	0.0010	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC		Project Name, PWS, Permit, Etc. Powerful Dewey Burdock		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: RESPEC		Contact Name: Corey Foreman		Phone/Fax: 294-6400	Email: Corey Foreman
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following:					
<input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data)					
<input type="checkbox"/> GSA <input type="checkbox"/> Format: <input type="checkbox"/> LEVEL IV					
<input type="checkbox"/> POTW/MWTP <input type="checkbox"/> NEIAC					
<input type="checkbox"/> State: <input type="checkbox"/> Other: <input type="checkbox"/>					
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	ANALYSIS REQUESTED
1. Dew Burd GN 698		6/24/08	11:55	W	
2. Dew Burd GN 696		6/24/08	15:08	W	
3. Dew Burd GN 694		6/24/08	15:16	W	
4. Dew Burd GN 695		6/24/08	17:30	W	
5. Dew Burd GN 697		6/24/08	18:30	W	
6. Dew Burd GN 3026		6/24/08	18:30	W	
7. Dew Burd GN 3026		6/24/08	18:30	W	
8. Dew Burd GN 3026		6/24/08	18:30	W	
9. Dew Burd GN 3026		6/24/08	18:30	W	
10. Dew Burd GN 3026		6/24/08	18:30	W	
Custody Record		Refined by (print): Eric Keanne	Date Time: 6/25/08 01:10	Signature: Eric Keanne	Received by Laboratory: Steve Howland
MUST be Signed		Sample Disposal:	Return to Client:	Lab Disposal:	Date Time: 6-25-08 8:38

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

August 20, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08060452 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 6/26/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060452-001	DewBurd GW622	06/25/08 12:05	06/26/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08060452-002	DewBurd GW615	06/25/08 13:55	06/26/08	Aqueous	Same As Above
R08060452-003	DewBurd GW681	06/25/08 17:30	06/26/08	Aqueous	Same As Above
R08060452-004	DewBurd GW689	06/25/08 18:18	06/26/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Linda Larson



Date: 20-Aug-08

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08060452

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.

- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08061333

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

End of comments imported for SUBBED Workorder: C08061333



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-001
Client Sample ID: DewBurd GW622

Report Date: 08/20/08
Collection Date: 06/25/08 12:05
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	178	mg/L		5		1	A2320 B	07/03/08 11:52/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:52/mb
Bicarbonate as HCO3	217	mg/L		5		1	A2320 B	07/03/08 11:52/mb
Calcium	89.6	mg/L		0.5		2	E200.7	07/09/08 16:00/eli-c
Chloride	10	mg/L		1		1	E300.0	06/27/08 06:47/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/27/08 06:47/jmh
Magnesium	31.2	mg/L		0.5		2	E200.7	07/09/08 16:00/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/30/08 13:44/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/27/08 06:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 06:47/jmh
Potassium	10.2	mg/L		0.5		2	E200.7	07/09/08 16:00/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	07/09/08 16:00/eli-c
Sodium	174	mg/L	D	2		2	E200.7	07/09/08 16:00/eli-c
Sulfate	481	mg/L		1		20	E300.0	06/27/08 06:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1410	umhos/cm		5.0		1	A2510 B	07/01/08 11:18/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.95	s.u.		0.01		1	A4500-H B	07/01/08 10:11/tb
Sodium Adsorption Ratio (SAR)	4.0	unitless		0.10		1	Calculation	08/20/08 17:12/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	06/27/08 12:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/09/08 16:00/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/17/08 20:10/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/09/08 16:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 16:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 20:10/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/09/08 16:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/17/08 20:10/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/09/08 16:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 20:10/eli-c
Manganese	0.19	mg/L		0.01		2	E200.7	07/09/08 16:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 20:10/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/09/08 16:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/09/08 16:00/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:52/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 20:10/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-001
Client Sample ID: DewBurd GW622

Report Date: 08/20/08
Collection Date: 06/25/08 12:05
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		DF	Method	Analysis Date / By
				RL	QCL			
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 20:10/eli-c
Uranium	0.0051	mg/L		0.0003		1	E200.8	07/17/08 20:10/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/09/08 16:00/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/09/08 16:00/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 11:42/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:52/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	36.4	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	4.3	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	3.6	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	22.5	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	2.7	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Lead 210	-2.0	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	4.1	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 21:24/eli-c
Thorium 230 precision (±)	0.03	pCi/L				1	E907.0	07/21/08 21:24/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.5	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.74	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	07/15/08 21:56/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Page 2 of 12



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-001
Client Sample ID: DewBurd GW622

Report Date: 08/20/08
Collection Date: 06/25/08 12:05
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1950	pCi/L		100		1	D5072-92	06/30/08 17:19/eli-c
Radon 222 precision (±)	107	pCi/L				1	D5072-92	06/30/08 17:19/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/07/08 17:05/eli-c
Arsenic	0.004	mg/L		0.001		10	E200.8	07/07/08 17:05/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/07/08 23:47/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/07/08 17:05/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 23:47/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 17:05/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 23:47/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/07/08 23:47/eli-c
Iron	5.17	mg/L		0.03		2	E200.7	07/07/08 23:47/eli-c
Lead	0.030	mg/L	D	0.007		10	E200.8	07/07/08 17:05/eli-c
Manganese	0.22	mg/L		0.01		2	E200.7	07/07/08 23:47/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/10/08 16:04/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 23:47/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 23:47/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/07/08 17:05/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 17:05/eli-c
Strontium	1.6	mg/L		0.1		2	E200.7	07/07/08 23:47/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/07/08 17:05/eli-c
Uranium	0.0059	mg/L		0.0003		10	E200.8	07/07/08 17:05/eli-c
Zinc	0.13	mg/L		0.01		2	E200.7	07/07/08 23:47/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.53	%				1	A1030 E	08/20/08 00:00/kl
Anions	13.9	meq/L				1	A1030 E	08/20/08 00:00/kl
Cations	14.9	meq/L				1	A1030 E	08/20/08 00:00/kl
Solids, Total Dissolved Calculated	914	mg/L				1	A1030 E	08/20/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/20/08 00:00/kl

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-002
Client Sample ID: DewBurd GW615

Report Date: 08/20/08
Collection Date: 06/25/08 13:55
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	138	mg/L		5		1	A2320 B	07/03/08 11:56/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:56/mb
Bicarbonate as HCO3	168	mg/L		5		1	A2320 B	07/03/08 11:56/mb
Calcium	71.8	mg/L		0.5		2	E200.7	07/09/08 16:04/eli-c
Chloride	5	mg/L		1		1	E300.0	06/27/08 07:20/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/27/08 07:20/jmh
Magnesium	21.6	mg/L		0.5		2	E200.7	07/09/08 16:04/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/30/08 13:45/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/27/08 07:20/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 07:20/jmh
Potassium	8.7	mg/L		0.5		2	E200.7	07/09/08 16:04/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	07/09/08 16:04/eli-c
Sodium	127	mg/L	D	2		2	E200.7	07/09/08 16:04/eli-c
Sulfate	369	mg/L		1		20	E300.0	06/27/08 07:03/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1110	umhos/cm		5.0		1	A2510 B	07/01/08 11:20/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.48	s.u.		0.01		1	A4500-H B	07/01/08 10:12/tb
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.10		1	Calculation	08/20/08 17:12/ADM
Solids, Total Dissolved TDS @ 180 C	680	mg/L		5		1	A2540 C	06/27/08 12:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/09/08 16:04/eli-c
Arsenic	0.016	mg/L		0.001		1	E200.8	07/15/08 19:13/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/09/08 16:04/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 16:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 19:13/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/09/08 16:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 19:13/eli-c
Iron	0.42	mg/L		0.03		2	E200.7	07/09/08 16:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 19:13/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/09/08 16:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 19:13/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/09/08 16:04/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/09/08 16:04/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:58/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 19:13/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-002
Client Sample ID: DewBurd GW615

Report Date: 08/20/08
Collection Date: 06/25/08 13:55
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 19:13/eli-c
Uranium	0.0024	mg/L		0.0003		1	E200.8	07/15/08 19:13/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/09/08 16:04/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/09/08 16:04/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 11:47/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:59/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	38.3	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	3.8	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	12.6	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	3.0	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Lead 210	1.1	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	7.2	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 21:24/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	07/21/08 21:24/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.5	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.21	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	07/15/08 21:56/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-002
Client Sample ID: DewBurd GW615

Report Date: 08/20/08
Collection Date: 06/25/08 13:55
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
RADIONUCLIDES - SUSPENDED									
Radium 226 precision (±)	0.2	pCi/L					1	E903.0	07/15/08 21:56/eli-c
Radium 226 MDC	0.5	pCi/L					1	E903.0	07/15/08 21:56/eli-c
Thorium 230	0.1	pCi/L	U	0.2			1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.2	pCi/L					1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	1830	pCi/L		100			1	D5072-92	06/30/08 17:19/eli-c
Radon 222 precision (±)	105	pCi/L					1	D5072-92	06/30/08 17:19/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			10	E200.8	07/07/08 17:12/eli-c
Arsenic	0.024	mg/L		0.001			10	E200.8	07/07/08 17:12/eli-c
Barium	ND	mg/L		0.1			2	E200.7	07/07/08 23:55/eli-c
Beryllium	ND	mg/L		0.001			10	E200.8	07/07/08 17:12/eli-c
Boron	ND	mg/L		0.1			2	E200.7	07/07/08 23:55/eli-c
Cadmium	ND	mg/L		0.005			10	E200.8	07/07/08 17:12/eli-c
Chromium	ND	mg/L		0.05			2	E200.7	07/07/08 23:55/eli-c
Copper	ND	mg/L		0.01			2	E200.7	07/07/08 23:55/eli-c
Iron	1.50	mg/L		0.03			2	E200.7	07/07/08 23:55/eli-c
Lead	0.013	mg/L	D	0.007			10	E200.8	07/07/08 17:12/eli-c
Manganese	0.07	mg/L		0.01			2	E200.7	07/07/08 23:55/eli-c
Mercury	ND	mg/L		0.0002			1	E245.1	07/10/08 16:06/eli-b
Molybdenum	ND	mg/L		0.1			2	E200.7	07/07/08 23:55/eli-c
Nickel	ND	mg/L		0.05			2	E200.7	07/07/08 23:55/eli-c
Selenium	ND	mg/L	D	0.002			10	E200.8	07/07/08 17:12/eli-c
Silver	ND	mg/L		0.005			10	E200.8	07/07/08 17:12/eli-c
Strontium	1.4	mg/L		0.1			2	E200.7	07/07/08 23:55/eli-c
Thallium	ND	mg/L		0.001			10	E200.8	07/07/08 17:12/eli-c
Uranium	0.0023	mg/L		0.0003			10	E200.8	07/07/08 17:12/eli-c
Zinc	ND	mg/L		0.01			2	E200.7	07/07/08 23:55/eli-c
DATA QUALITY									
A/C Balance (± 5)	2.39	%					1	A1030 E	08/20/08 00:00/kl
Anions	10.6	meq/L					1	A1030 E	08/20/08 00:00/kl
Cations	11.1	meq/L					1	A1030 E	08/20/08 00:00/kl
Solids, Total Dissolved Calculated	696	mg/L					1	A1030 E	08/20/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.970						1	A1030 E	08/20/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-003
Client Sample ID: DewBurd GW681

Report Date: 08/20/08
Collection Date: 06/25/08 17:30
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	07/03/08 12:03/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 12:03/mb
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	07/03/08 12:03/mb
Calcium	62.3	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-
Chloride	15	mg/L		1		1	E300.0	06/27/08 07:53/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/27/08 07:53/jmh
Magnesium	24.0	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/30/08 13:46/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/27/08 07:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 07:53/jmh
Potassium	9.7	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Sodium	210	mg/L	D	2		2	E200.7	07/09/08 16:08/eli-c
Sulfate	449	mg/L		1		20	E300.0	06/27/08 07:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	07/01/08 11:21/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.99	s.u.		0.01		1	A4500-H B	07/01/08 10:14/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	08/20/08 17:12/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	06/27/08 12:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/15/08 19:40/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 19:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/09/08 16:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 19:40/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/09/08 16:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 19:40/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/09/08 16:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 19:40/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/09/08 16:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 15:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 19:40/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-003
Client Sample ID: DewBurd GW681

Report Date: 08/20/08
Collection Date: 06/25/08 17:30
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 19:40/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	07/15/08 19:40/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/09/08 16:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 11:51/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 12:01/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1390	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	23.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	3.5	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	364	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	6.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Lead 210	42.2	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	7.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	434	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	5.5	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 21:24/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	07/21/08 21:24/eli-c
Gross Gamma	210	pCi/L		20		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	45	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.2	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.81	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.7	pCi/L				1	E903.0	07/15/08 21:56/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-003
Client Sample ID: DewBurd GW681

Report Date: 08/20/08
Collection Date: 06/25/08 17:30
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	389000	pCi/L		100		1	D5072-92	06/30/08 17:19/eli-c
Radon 222 precision (±)	953	pCi/L				1	D5072-92	06/30/08 17:19/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/07/08 17:18/eli-c
Arsenic	0.001	mg/L		0.001		10	E200.8	07/07/08 17:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/07/08 17:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 17:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 23:59/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/07/08 23:59/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/07/08 23:59/eli-c
Lead	0.013	mg/L	D	0.007		10	E200.8	07/07/08 17:18/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/07/08 23:59/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/10/08 16:08/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 23:59/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/07/08 17:18/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 17:18/eli-c
Strontium	1.1	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/07/08 17:18/eli-c
Uranium	0.0102	mg/L		0.0003		10	E200.8	07/07/08 17:18/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 23:59/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.51	%				1	A1030 E	08/20/08 00:00/kl
Anions	13.2	meq/L				1	A1030 E	08/20/08 00:00/kl
Cations	14.5	meq/L				1	A1030 E	08/20/08 00:00/kl
Solids, Total Dissolved Calculated	883	mg/L				1	A1030 E	08/20/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/20/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-004
Client Sample ID: DewBurd GW689

Report Date: 08/20/08
Collection Date: 06/25/08 18:18
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	150	mg/L		5		1	A2320 B	07/03/08 12:07/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 12:07/mb
Bicarbonate as HCO3	183	mg/L		5		1	A2320 B	07/03/08 12:07/mb
Calcium	46.7	mg/L		0.5		2	E200.7	07/09/08 16:12/eli-c
Chloride	5	mg/L		1		1	E300.0	06/27/08 09:31/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/27/08 09:31/jmh
Magnesium	16.0	mg/L		0.5		2	E200.7	07/09/08 16:12/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/30/08 13:48/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/27/08 09:31/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 09:31/jmh
Potassium	7.7	mg/L		0.5		2	E200.7	07/09/08 16:12/eli-c
Silica	4.3	mg/L		0.5		2	E200.7	07/09/08 16:12/eli-c
Sodium	174	mg/L	D	2		2	E200.7	07/09/08 16:12/eli-c
Sulfate	366	mg/L		1		20	E300.0	06/27/08 08:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1270	umhos/cm		5.0		1	A2510 B	07/01/08 11:24/tb
Oxidation-Reduction Potential	150	mV				1	A2580 B	06/27/08 00:00/jmh
pH	8.08	s.u.		0.01		1	A4500-H B	07/01/08 10:15/tb
Sodium Adsorption Ratio (SAR)	5.6	unitless		0.10		1	Calculation	08/20/08 17:12/ADM
Solids, Total Dissolved TDS @ 180 C	700	mg/L		5		1	A2540 C	06/27/08 12:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/09/08 16:12/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/17/08 20:51/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/09/08 16:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 16:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 20:51/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/09/08 16:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/17/08 20:51/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/09/08 16:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 20:51/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	07/09/08 16:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 20:51/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/09/08 16:12/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/09/08 16:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 15:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 20:51/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-004
Client Sample ID: DewBurd GW689

Report Date: 08/20/08
Collection Date: 06/25/08 18:18
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 20:51/eli-c
Uranium	0.0034	mg/L		0.0003		1	E200.8	07/17/08 20:51/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/09/08 16:12/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/09/08 16:12/eli-c
METALS - SUSPENDED								
Uranium	0.0005	mg/L		0.0003		1	E200.8	07/10/08 11:56/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 12:03/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	36.5	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha precision (±)	3.7	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta	15.0	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta MDC	3.0	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Lead 210	-6.5	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	5.5	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/22/08 11:26/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.05	pCi/L	U			1	E903.0	07/15/08 21:56/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-004
Client Sample ID: DewBurd GW689

Report Date: 08/20/08
Collection Date: 06/25/08 18:18
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		DF	Method	Analysis Date / By
				RL	QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2520	pCi/L		100		1	D5072-92	06/30/08 17:19/eli-c
Radon 222 precision (±)	109	pCi/L				1	D5072-92	06/30/08 17:19/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/07/08 17:25/eli-c
Arsenic	0.003	mg/L		0.001		10	E200.8	07/07/08 17:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 00:15/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/07/08 17:25/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 00:15/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 17:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 00:15/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 00:15/eli-c
Iron	1.15	mg/L		0.03		2	E200.7	07/08/08 00:15/eli-c
Lead	0.017	mg/L	D	0.007		10	E200.8	07/07/08 17:25/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/08/08 00:15/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/10/08 16:11/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:15/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 00:15/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/07/08 17:25/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 17:25/eli-c
Strontium	1.0	mg/L		0.1		2	E200.7	07/08/08 00:15/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/07/08 17:25/eli-c
Uranium	0.0060	mg/L		0.0003		10	E200.8	07/07/08 17:25/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 00:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.76	%				1	A1030 E	08/20/08 00:00/ikl
Anions	10.8	meq/L				1	A1030 E	08/20/08 00:00/ikl
Cations	11.4	meq/L				1	A1030 E	08/20/08 00:00/ikl
Solids, Total Dissolved Calculated	718	mg/L				1	A1030 E	08/20/08 00:00/ikl
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	08/20/08 00:00/ikl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080703A-ALK-SEL-W							
Sample ID: LCS1_080703A	Laboratory Control Sample					Run: PH_COND1-R_080703A			07/03/08 11:24
Alkalinity, Total as CaCO ₃	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080703A	Method Blank					Run: PH_COND1-R_080703A			07/03/08 11:25
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08060452-002AMS	Sample Matrix Spike					Run: PH_COND1-R_080703A			07/03/08 11:59
Alkalinity, Total as CaCO ₃	246	mg/L	5.0	102	80	120			
Sample ID: R08060452-002AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080703A			07/03/08 12:01
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	98	80	120	1.6	10	
Method: A2510 B		Batch: 080701_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080701	Laboratory Control Sample					Run: PH_COND2-R_080701B			07/01/08 10:58
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080701	Laboratory Control Sample					Run: PH_COND2-R_080701B			07/01/08 10:59
Conductivity @ 25 C	160	umhos/cm	5.0	107	90	110			
Sample ID: LCS2-1_080701	Laboratory Control Sample					Run: PH_COND2-R_080701B			07/01/08 11:01
Conductivity @ 25 C	5200	umhos/cm	5.0	104	90	110			
Sample ID: R08060452-001ADUP	Sample Duplicate					Run: PH_COND2-R_080701B			07/01/08 11:18
Conductivity @ 25 C	1420	umhos/cm	5.0				0.7	10	
Sample ID: MBLK-1_080701	Method Blank					Run: PH_COND2-R_080701B			07/01/08 11:26
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C		Batch: 080627A-SLDS-TDS-W							
Sample ID: LCS1_080627A	Laboratory Control Sample					Run: BAL-4-R_080627A			06/27/08 11:42
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	98	90	110			
Sample ID: MBLK1_080627A	Method Blank					Run: BAL-4-R_080627A			06/27/08 11:44
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060452-002AMS	Sample Matrix Spike					Run: BAL-4-R_080627A			06/27/08 12:03
Solids, Total Dissolved TDS @ 180 C	910	mg/L	5.0	117	80	120			
Sample ID: R08060452-002AMSD	Sample Matrix Spike Duplicate					Run: BAL-4-R_080627A			06/27/08 12:04
Solids, Total Dissolved TDS @ 180 C	910	mg/L	5.0	118	80	120	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080627-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080627A		06/27/08 00:00		
Oxidation-Reduction Potential	470	mV		99	95	105			
Sample ID: R08060452-001F	Sample Duplicate				Run: PH_COND1-R_080627A		06/27/08 00:00		
Oxidation-Reduction Potential	240	mV					1.8	10	
Method: A3114 B							Batch: C_SE3114-080719A		
Sample ID: MBLK	Method Blank				Run: SUB-C104480		07/19/08 11:18		
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104480		07/19/08 11:21		
Selenium-IV	0.046	mg/L	0.0010	92	90	110			
Sample ID: R08060452-001E	Sample Matrix Spike				Run: SUB-C104480		07/19/08 11:54		
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: R08060452-001E	Sample Matrix Spike Duplicate				Run: SUB-C104480		07/19/08 11:56		
Selenium-IV	0.047	mg/L	0.0010	94	85	115	2.5	10	
Method: A3114 B							Batch: C_SE3114-080719C		
Sample ID: MBLK	Method Blank				Run: SUB-C104484		07/19/08 14:18		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104484		07/19/08 14:20		
Selenium	0.046	mg/L	0.0010	92	90	110			
Sample ID: R08060452-001E	Sample Matrix Spike				Run: SUB-C104484		07/19/08 14:54		
Selenium	0.051	mg/L	0.0010	103	85	115			
Sample ID: R08060452-001E	Sample Matrix Spike Duplicate				Run: SUB-C104484		07/19/08 14:56		
Selenium	0.052	mg/L	0.0010	105	85	115	1.9	10	
Method: A4500-H B							Batch: 080701_1_PH-W		
Sample ID: LCS_pH-1_080701	Laboratory Control Sample				Run: PH_COND2-R_080701A		07/01/08 10:01		
pH	6.91	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060452-002ADUP	Sample Duplicate				Run: PH_COND2-R_080701A		07/01/08 10:14		
pH	7.52	s.u.	0.010				0.5	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2008-06-30_2_NH3_01							
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080630A		06/30/08 13:22	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080630A		06/30/08 13:23	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080630A		06/30/08 13:24	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	105	90	110			
Sample ID: R08060447-001BMS	Sample Matrix Spike					Run: TECHAA2-R_080630A		06/30/08 13:38	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	77	80	120			S
Sample ID: R08060447-001BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080630A		06/30/08 13:39	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	77	80	120	0.5	10	S
Sample ID: R08060454-001CMS	Sample Matrix Spike					Run: TECHAA2-R_080630A		06/30/08 13:57	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	80	120			
Sample ID: R08060454-001CMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080630A		06/30/08 13:58	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	101	80	120	0.8	10	
Method: D5072-92		Batch: C_R103572							
Sample ID: C08061327-001IDUP	Sample Duplicate					Run: SUB-C103572		06/30/08 17:19	
Radon 222	285	pCi/L	100				24	30	
Sample ID: MB-R103572	Method Blank					Run: SUB-C103572		06/30/08 17:19	
Radon 222	20	pCi/L							
Sample ID: LCS-R103572	Laboratory Control Sample					Run: SUB-C103572		06/30/08 17:19	
Radon 222	300	pCi/L	100	93	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18997		
Sample ID: MB-18997	Method Blank		Run: SUB-C103815				07/07/08 23:38		
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.002	mg/L	0.001						
Sample ID: LCS3-18997	Laboratory Control Sample		Run: SUB-C103815				07/07/08 23:42		
Barium	0.498	mg/L	0.10	100	85	115			
Boron	0.513	mg/L	0.10	103	85	115			
Chromium	0.511	mg/L	0.050	102	85	115			
Copper	0.505	mg/L	0.010	101	85	115			
Iron	2.72	mg/L	0.030	109	85	115			
Manganese	2.56	mg/L	0.010	102	85	115			
Molybdenum	0.502	mg/L	0.10	100	85	115			
Nickel	0.512	mg/L	0.050	102	85	115			
Strontium	0.506	mg/L	0.10	101	85	115			
Zinc	0.505	mg/L	0.010	101	85	115			
Sample ID: C08061335-006B MS3	Sample Matrix Spike		Run: SUB-C103815				07/08/08 00:44		
Barium	0.704	mg/L	0.10	111	70	130			
Boron	0.639	mg/L	0.10	105	70	130			
Chromium	0.588	mg/L	0.050	107	70	130			
Copper	0.526	mg/L	0.010	101	70	130			
Iron	41.5	mg/L	0.030		70	130			A
Manganese	2.87	mg/L	0.010	101	70	130			
Molybdenum	0.476	mg/L	0.10	95	70	130			
Nickel	0.540	mg/L	0.050	100	70	130			
Strontium	1.06	mg/L	0.10	100	70	130			
Zinc	0.585	mg/L	0.010	100	70	130			
Sample ID: C08061335-006B MSD3	Sample Matrix Spike Duplicate		Run: SUB-C103815				07/08/08 00:48		
Barium	0.718	mg/L	0.10	114	70	130	2.1	20	
Boron	0.646	mg/L	0.10	107	70	130	1.1	20	
Chromium	0.611	mg/L	0.050	112	70	130	3.7	20	
Copper	0.540	mg/L	0.010	104	70	130	2.6	20	
Iron	41.0	mg/L	0.030		70	130	1.4	20	A

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_18997		
Sample ID: C08061335-006B MSD3			Sample Matrix Spike Duplicate			Run: SUB-C103815		07/08/08 00:48	
Manganese	2.91	mg/L	0.010	102	70	130	1.3	20	
Molybdenum	0.491	mg/L	0.10	98	70	130	3.1	20	
Nickel	0.568	mg/L	0.050	106	70	130	4.9	20	
Strontium	1.05	mg/L	0.10	99	70	130	0.8	20	
Zinc	0.602	mg/L	0.010	103	70	130	2.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103988		
Sample ID: MB-080709A	Method Blank		Run: SUB-C103988				07/09/08 14:52		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.009	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.003	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080709A	Laboratory Fortified Blank		Run: SUB-C103988				07/09/08 14:56		
Silica	0.37	mg/L	0.10	91	85	125			
Aluminum	1.0	mg/L	0.10	104	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.0	mg/L	0.10	100	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	107	85	125			
Magnesium	53	mg/L	0.50	106	85	125			
Manganese	1.0	mg/L	0.010	103	85	125			
Molybdenum	1.0	mg/L	0.10	102	85	125			
Nickel	1.0	mg/L	0.050	101	85	125			
Potassium	46	mg/L	0.50	93	85	125			
Sodium	50	mg/L	0.77	100	85	125			
Vanadium	1.0	mg/L	0.10	104	85	125			
Zinc	1.0	mg/L	0.010	103	85	125			
Sample ID: C08061365-007BMS2	Sample Matrix Spike		Run: SUB-C103988				07/09/08 16:24		
Aluminum	4.94	mg/L	0.10	99	70	130			
Barium	4.75	mg/L	0.10	95	70	130			
Boron	5.38	mg/L	0.10	96	70	130			
Chromium	4.88	mg/L	0.050	98	70	130			
Iron	5.00	mg/L	0.030	100	70	130			
Manganese	4.84	mg/L	0.010	97	70	130			
Molybdenum	4.93	mg/L	0.10	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R103988		
Sample ID: C08061365-007BMS2	Sample Matrix Spike			Run: SUB-C103988			07/09/08 16:24		
Nickel	4.82	mg/L	0.050	96	70	130			
Vanadium	4.91	mg/L	0.10	98	70	130			
Zinc	4.99	mg/L	0.011	99	70	130			
Calcium	258	mg/L	1.0	98	70	130			
Magnesium	250	mg/L	1.0	99	70	130			
Potassium	220	mg/L	1.0	87	70	130			
Silica	8.66	mg/L	0.10	82	70	130			
Sodium	773	mg/L	3.9	88	70	130			
Sample ID: C08061365-007BMSD2	Sample Matrix Spike Duplicate			Run: SUB-C103988			07/09/08 16:28		
Aluminum	4.91	mg/L	0.10	98	70	130	0.6	20	
Barium	4.76	mg/L	0.10	95	70	130	0.1	20	
Boron	5.41	mg/L	0.10	97	70	130	0.7	20	
Chromium	4.85	mg/L	0.050	97	70	130	0.6	20	
Iron	5.00	mg/L	0.030	100	70	130	0.0	20	
Manganese	4.81	mg/L	0.010	96	70	130	0.6	20	
Molybdenum	4.95	mg/L	0.10	99	70	130	0.4	20	
Nickel	4.80	mg/L	0.050	96	70	130	0.5	20	
Vanadium	4.83	mg/L	0.10	97	70	130	1.6	20	
Zinc	4.98	mg/L	0.011	99	70	130	0.3	20	
Calcium	257	mg/L	1.0	98	70	130	0.6	20	
Magnesium	249	mg/L	1.0	99	70	130	0.6	20	
Potassium	221	mg/L	1.0	88	70	130	0.6	20	
Silica	8.55	mg/L	0.10	76	70	130	1.3	20	
Sodium	778	mg/L	3.9	91	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_18997		
Sample ID: MB-18997	Method Blank		Run: SUB-C103823				07/07/08 16:51		
Antimony	0.0004	mg/L	0.0002						
Arsenic	0.0009	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	0.006	mg/L							
Selenium	0.0004	mg/L	0.0002						
Silver	6E-05	mg/L	5E-05						
Thallium	ND	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18997	Laboratory Control Sample		Run: SUB-C103823				07/07/08 16:58		
Antimony	0.569	mg/L	0.050	114	85	115			
Arsenic	0.554	mg/L	0.0010	111	85	115			
Beryllium	0.265	mg/L	0.010	106	85	115			
Cadmium	0.270	mg/L	0.010	108	85	115			
Lead	0.562	mg/L	0.050	111	85	115			
Selenium	0.556	mg/L	0.0020	111	85	115			
Silver	0.0448	mg/L	0.010	89	85	115			
Thallium	0.532	mg/L	0.10	106	85	115			
Uranium	0.543	mg/L	0.00032	109	85	115			
Sample ID: C08061335-006BMS3	Sample Matrix Spike		Run: SUB-C103823				07/07/08 18:33		
Antimony	0.409	mg/L	0.050	82	70	130			
Arsenic	0.638	mg/L	0.0010	125	70	130			
Beryllium	0.285	mg/L	0.010	113	70	130			
Cadmium	0.305	mg/L	0.010	122	70	130			
Lead	0.651	mg/L	0.050	122	70	130			
Selenium	0.627	mg/L	0.0020	125	70	130			
Silver	0.0530	mg/L	0.010	106	70	130			
Thallium	0.607	mg/L	0.10	121	70	130			
Uranium	0.630	mg/L	0.00032	126	70	130			
Sample ID: C08061335-006BMSD3	Sample Matrix Spike Duplicate		Run: SUB-C103823				07/07/08 18:40		
Antimony	0.397	mg/L	0.050	79	70	130	2.9	20	
Arsenic	0.632	mg/L	0.0010	124	70	130	0.8	20	
Beryllium	0.282	mg/L	0.010	112	70	130	1.1	20	
Cadmium	0.300	mg/L	0.010	120	70	130	1.7	20	
Lead	0.638	mg/L	0.050	120	70	130	2.0	20	
Selenium	0.625	mg/L	0.0020	124	70	130	0.3	20	
Silver	0.0550	mg/L	0.010	110	70	130	3.8	20	
Thallium	0.596	mg/L	0.10	119	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18997
Sample ID: C08061335-006BMSD3	Sample Matrix Spike Duplicate				Run: SUB-C103823				07/07/08 18:40
Uranium	0.614	mg/L	0.00032	122	70	130	2.6	20	
Method: E200.8									Batch: C_19014
Sample ID: MB-19014	Method Blank				Run: SUB-C104018				07/10/08 11:31
Uranium	2E-05	mg/L	2E-05						
Sample ID: LCS1-19014	Laboratory Control Sample				Run: SUB-C104018				07/10/08 11:36
Uranium	0.0504	mg/L	0.00030	96	80	120			
Sample ID: C08061394-007IMS4	Post Digestion Spike				Run: SUB-C104018				07/10/08 12:51
Uranium	0.0119	mg/L	0.00030	95	70	130			
Sample ID: C08061394-007IMSD4	Post Digestion Spike Duplicate				Run: SUB-C104018				07/10/08 12:56
Uranium	0.0120	mg/L	0.00030	95	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104306		
Sample ID: LRB	Method Blank		Run: SUB-C104306				07/15/08 12:08		
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	7E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104306				07/15/08 12:15		
Arsenic	0.0503	mg/L	0.0010	101	85	115			
Cadmium	0.0500	mg/L	0.0010	100	85	115			
Copper	0.0505	mg/L	0.0010	101	85	115			
Lead	0.0512	mg/L	0.0010	102	85	115			
Mercury	0.00506	mg/L	0.0010	101	85	115			
Silver	0.0194	mg/L	0.0010	97	85	115			
Thorium 232	0.0507	mg/L	0.0010	101	85	115			
Uranium	0.0509	mg/L	0.00030	102	85	115			
Sample ID: C08061021-002CMS4	Post Digestion Spike		Run: SUB-C104306				07/15/08 19:27		
Arsenic	0.459	mg/L	0.0010	90	70	130			
Cadmium	0.433	mg/L	0.010	86	70	130			
Copper	0.464	mg/L	0.010	89	70	130			
Lead	0.456	mg/L	0.050	87	70	130			
Mercury	0.0437	mg/L	0.0010	87	70	130			
Silver	0.172	mg/L	0.010	86	70	130			
Thorium 232	0.436	mg/L	0.0010	86	70	130			
Uranium	0.439	mg/L	0.00030	87	70	130			
Sample ID: C08061021-002CMSD4	Post Digestion Spike Duplicate		Run: SUB-C104306				07/15/08 19:34		
Arsenic	0.541	mg/L	0.0010	107	70	130	16	20	
Cadmium	0.530	mg/L	0.010	106	70	130	20	20	R
Copper	0.541	mg/L	0.010	104	70	130	15	20	
Lead	0.546	mg/L	0.050	105	70	130	18	20	
Mercury	0.0529	mg/L	0.0010	106	70	130	19	20	
Silver	0.177	mg/L	0.010	89	70	130	3.2	20	
Thorium 232	0.528	mg/L	0.0010	105	70	130	19	20	
Uranium	0.528	mg/L	0.00030	105	70	130	18	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 08/20/08

Project: Edgemont

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104438		
Sample ID: LRB	Method Blank		Run: SUB-C104438				07/17/08 11:20		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	4E-05	mg/L	3E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104438				07/17/08 11:26		
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0517	mg/L	0.0010	103	85	115			
Lead	0.0515	mg/L	0.0010	103	85	115			
Mercury	0.00546	mg/L	0.0010	109	85	115			
Silver	0.0201	mg/L	0.0010	100	85	115			
Thorium 232	0.0506	mg/L	0.0010	101	85	115			
Uranium	0.0509	mg/L	0.00030	102	85	115			
Sample ID: R08060452-001C	Post Digestion Spike		Run: SUB-C104438				07/17/08 20:17		
Arsenic	0.0486	mg/L	0.0010	96	70	130			
Cadmium	0.0455	mg/L	0.010	91	70	130			
Copper	0.0450	mg/L	0.010	90	70	130			
Lead	0.0481	mg/L	0.050	95	70	130			
Mercury	0.00500	mg/L	0.0010	100	70	130			
Silver	0.0110	mg/L	0.010	55	70	130			S
Thorium 232	0.0492	mg/L	0.0010	98	70	130			
Uranium	0.0537	mg/L	0.00030	97	70	130			
Sample ID: R08060452-001C	Post Digestion Spike Duplicate		Run: SUB-C104438				07/17/08 20:24		
Arsenic	0.0482	mg/L	0.0010	95	70	130	0.9	20	
Cadmium	0.0459	mg/L	0.010	92	70	130	0.9	20	
Copper	0.0453	mg/L	0.010	90	70	130	0.7	20	
Lead	0.0479	mg/L	0.050	95	70	130	0.0	20	
Mercury	0.00503	mg/L	0.0010	101	70	130	0.6	20	
Silver	0.0128	mg/L	0.010	64	70	130	16	20	S
Thorium 232	0.0491	mg/L	0.0010	97	70	130	0.1	20	
Uranium	0.0536	mg/L	0.00030	97	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: B_33447		
Sample ID: MB-33447	Method Blank				Run: SUB-B113849		07/10/08 15:05		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33447	Laboratory Fortified Blank				Run: SUB-B113849		07/10/08 15:08		
Mercury	0.0020	mg/L	0.0010	98	85	115			
Sample ID: B08062984-005CMS	Sample Matrix Spike				Run: SUB-B113849		07/10/08 15:36		
Mercury	0.0021	mg/L	0.0010	103	70	130			
Sample ID: B08062984-005CMSD	Sample Matrix Spike Duplicate				Run: SUB-B113849		07/10/08 15:38		
Mercury	0.0021	mg/L	0.0010	103	70	130	1.0	30	
Method: E245.1							Analytical Run: SUB-B113849		
Sample ID: QCS	Initial Calibration Verification Standard						07/10/08 14:56		
Mercury	0.0019	mg/L	0.0010	94	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35707
Sample ID: LFB0806260829-3	Laboratory Fortified Blank			Run: DIONEX_080627A			06/26/08 19:18		
Chloride	4.77	mg/L	0.50	95	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.46	mg/L	0.10	98	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: LFB0806260829-4	Laboratory Fortified Blank			Run: DIONEX_080627A			06/26/08 19:34		
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	1.84	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.48	mg/L	0.10	99	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: R08060449-002AMS	Sample Matrix Spike			Run: DIONEX_080627A			06/27/08 05:41		
Chloride	25.1	mg/L	0.50		80	120			A
Fluoride	2.90	mg/L	0.10	95	80	120			
Nitrogen, Nitrate as N	2.59	mg/L	0.10	98	80	120			
Nitrogen, Nitrite as N	2.50	mg/L	0.10	100	80	120			
Sulfate	286	mg/L	1.0		80	120			A
Sample ID: R08060449-002AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080627A			06/27/08 05:58		
Chloride	25.1	mg/L	0.50		80	120	0.2	10	A
Fluoride	2.81	mg/L	0.10	91	80	120	3.2	10	
Nitrogen, Nitrate as N	2.49	mg/L	0.10	94	80	120	3.9	10	
Nitrogen, Nitrite as N	2.35	mg/L	0.10	94	80	120	6.2	10	
Sulfate	286	mg/L	1.0		80	120	0.0	10	A
Sample ID: R08060452-004AMS	Sample Matrix Spike			Run: DIONEX_080627A			06/27/08 08:58		
Chloride	98.8	mg/L	2.2	88	80	120			
Fluoride	37.3	mg/L	0.22	86	80	120			
Nitrogen, Nitrate as N	46.5	mg/L	0.50	93	80	120			
Nitrogen, Nitrite as N	49.4	mg/L	1.2	99	80	120			
Sulfate	598	mg/L	1.3	77	80	120			S
Sample ID: R08060452-004AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080627A			06/27/08 09:15		
Chloride	97.3	mg/L	2.2	87	80	120	1.5	10	
Fluoride	36.6	mg/L	0.22	84	80	120	1.9	10	
Nitrogen, Nitrate as N	45.6	mg/L	0.50	91	80	120	2.0	10	
Nitrogen, Nitrite as N	48.6	mg/L	1.2	97	80	120	1.5	10	
Sulfate	592	mg/L	1.3	75	80	120	1.0	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0485		
Sample ID: MB-GrAB-0485	Method Blank				Run: SUB-C104921			07/26/08 03:40	
Gross Alpha	2	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0485	Laboratory Control Sample				Run: SUB-C104921			07/26/08 03:40	
Gross Alpha	120	pCi/L		87	70	130			
Sample ID: Cs137-GrAB-0485	Laboratory Control Sample				Run: SUB-C104921			07/26/08 03:41	
Gross Beta	100	pCi/L		108	70	130			
Sample ID: C08061318-001DMS	Sample Matrix Spike				Run: SUB-C104921			07/26/08 21:24	
Gross Alpha	168	pCi/L		119	70	130			
Sample ID: C08061318-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104921			07/26/08 21:24	
Gross Alpha	148	pCi/L		105	70	130	12	16.3	
Sample ID: C08061318-001DMS	Sample Matrix Spike				Run: SUB-C104921			07/26/08 21:25	
Gross Beta	95.8	pCi/L		100	70	130			
Sample ID: C08061318-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104921			07/26/08 21:25	
Gross Beta	98.1	pCi/L		102	70	130	2.3	16	
Method: E901.1							Batch: C_R104392		
Sample ID: LCS-R104392	Laboratory Control Sample				Run: SUB-C104392			07/14/08 11:00	
Cesium 137	450000	pCi/L	20	104	70	130			
Cobalt 60	330000	pCi/L	20	104	70	130			
Sample ID: MB-R104392	Method Blank				Run: SUB-C104392			07/14/08 11:00	
Gross Gamma	ND	pCi/L							
Sample ID: C08061335-006IDUP	Sample Duplicate				Run: SUB-C104392			07/14/08 11:00	
Gross Gamma	ND	pCi/L	20				0.0	30	
Sample ID: C08061372-014ADUP	Sample Duplicate				Run: SUB-C104392			07/14/08 11:00	
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_19014		
Sample ID: R08060452-004I	Sample Matrix Spike				Run: SUB-C104316		07/15/08 21:56		
Radium 226	140	pCi/L		92	70	130			
Sample ID: R08060452-004I	Sample Matrix Spike Duplicate				Run: SUB-C104316		07/15/08 21:56		
Radium 226	150	pCi/L		95	70	130	3.6	24.2	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C104316		07/16/08 01:53		
Radium 226	13	pCi/L		94	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C104316		07/16/08 01:53		
Radium 226	-2	pCi/L							U
Method: E903.0							Batch: C_RA226-2936		
Sample ID: MB-RA226-2936	Method Blank				Run: SUB-C104623		07/21/08 18:07		
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2936	Laboratory Control Sample				Run: SUB-C104623		07/22/08 00:40		
Radium 226	7.6	pCi/L		98	70	130			
Sample ID: C08061394-007HMS	Sample Matrix Spike				Run: SUB-C104623		07/22/08 00:40		
Radium 226	17	pCi/L		107	70	130			
Sample ID: C08061394-007HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104623		07/22/08 00:40		
Radium 226	16	pCi/L		103	70	130	3.9	23.9	
Method: E907.0							Batch: C_19014		
Sample ID: C08061394-007IMS	Sample Matrix Spike				Run: SUB-C104248		07/11/08 17:06		
Thorium 230	21.4	pCi/L	0.20	92	70	130			
Sample ID: C08061394-007IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104248		07/11/08 17:07		
Thorium 230	19.9	pCi/L	0.20	90	70	130	7.4	30	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C104248		07/11/08 17:07		
Thorium 230	46.6	pCi/L	0.20	98	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C104248		07/11/08 17:07		
Thorium 230	-0.08	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_RA-TH-ISO-0571		
Sample ID: LCS-RA-TH-ISO-0571	Laboratory Control Sample				Run: SUB-C104913				07/21/08 21:24
Thorium 230	6.31	pCi/L	0.20	103	70	130			
Sample ID: R08060452-002H	Sample Matrix Spike				Run: SUB-C104913				07/21/08 21:24
Thorium 230	15.3	pCi/L	0.20	94	70	130			
Sample ID: R08060452-002H	Sample Matrix Spike Duplicate				Run: SUB-C104913				07/21/08 21:24
Thorium 230	16.6	pCi/L	0.20	103	70	130	8.4	30	
Sample ID: MB-RA-TH-ISO-0571	Method Blank				Run: SUB-C104913				07/23/08 22:41
Thorium 230	0.03	pCi/L							U
Method: E909.0M							Batch: C_19014		
Sample ID: C08061394-001IMS	Sample Matrix Spike				Run: SUB-C105485				07/08/08 06:20
Lead 210	150	pCi/L		52	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08061394-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C105485				07/08/08 06:20
Lead 210	230	pCi/L		78	70	130	38	30	R
Sample ID: MB-R105485	Method Blank				Run: SUB-C105485				07/08/08 06:20
Lead 210	4	pCi/L							U
Sample ID: LCS-R105485	Laboratory Control Sample				Run: SUB-C105485				07/08/08 06:20
Lead 210	140	pCi/L		115	70	130			
Method: E909.0M							Batch: C_R105208		
Sample ID: C08061394-002HMS	Sample Matrix Spike				Run: SUB-C105208				07/11/08 07:20
Lead 210	310	pCi/L		53	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08061394-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105208				07/11/08 07:20
Lead 210	360	pCi/L		61	70	130	15	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: R08060452-001H	Sample Duplicate				Run: SUB-C105208				07/11/08 07:20
Lead 210	-5.5	pCi/L	1.0				0.0	30	U
Sample ID: MB-R105208	Method Blank				Run: SUB-C105208				07/11/08 07:20
Lead 210	-5	pCi/L							U
Sample ID: LCS-R105208	Laboratory Control Sample				Run: SUB-C105208				07/11/08 07:20
Lead 210	110	pCi/L		96	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/20/08

Work Order: R08060452

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_19014		
Sample ID: C08061292-001BMS	Sample Matrix Spike				Run: SUB-C106196		08/18/08 17:00		
Polonium 210	18	pCi/L	1.0	124	70	130			
Sample ID: C08061292-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C106196		08/18/08 17:00		
Polonium 210	15	pCi/L	1.0	104	70	130	18	30	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C106196		08/18/08 17:00		
Polonium 210	84	pCi/L	1.0	101	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C106196		08/18/08 17:00		
Polonium 210	1	pCi/L							
Method: RMO-3008							Batch: C_R104448		
Sample ID: C08061335-003JMS	Sample Matrix Spike				Run: SUB-C104448		07/10/08 21:30		
Polonium 210	79	pCi/L	1.0	91	70	130			
Sample ID: C08061335-003JMSD	Sample Matrix Spike Duplicate				Run: SUB-C104448		07/10/08 21:30		
Polonium 210	60	pCi/L	1.0	69	70	130	28	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MS are acceptable the batch is approved.									
Sample ID: LCS-R104448	Laboratory Control Sample				Run: SUB-C104448		07/10/08 21:30		
Polonium 210	36	pCi/L	1.0	83	70	130			
Sample ID: MB-R104448	Method Blank				Run: SUB-C104448		07/10/08 21:30		
Polonium 210	ND	pCi/L					U		

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Chain of Custody and Analytical Request Record

Page 1 of 1

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

Company Name: ES&E		Project Name: PWS, Permit, Etc. Robert Tech Darryl Burdock		Sample Origin: State: _____	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: _____		Contact Name: Robert Tech Darryl Burdock		Email: _____	Sampler: (Please Print) Eric Lawrence
Invoice Address: _____		Phone/Fax: _____		Purchase Order: _____	Quote/Bottle Order: _____
Special Report/Formats – ELL must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		Number of Containers Sample Type: AWSVB O Air Water Soils/Solids Vegetation Bioassay Other		Shipped by: _____ Cooler Pkg: _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	ANALYSIS REQUESTED
1. Dewburd GW 622		6/25/08	12:05	W	SEE ATTACHED Normal Turnaround (TAT) RUSH Comments: All GW Contact ELL prior to RUSH sample submittal for charges and scheduling – See Instruction Page
2. Dewburd GW 615		6/25/08	13:55	W	
3. Dewburd GW 689		6/25/08	17:30	W	
4. Dewburd GW 689		6/25/08	18:18	W	
5. _____		_____	_____	_____	LABORATORY USE ONLY Receipt Temp: 8.4 °C On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal: Y N Intact: Y N Signature: _____ Date: _____
6. _____		_____	_____	_____	
7. _____		_____	_____	_____	
8. _____		_____	_____	_____	
9. _____		_____	_____	_____	
10. _____		_____	_____	_____	
Custody Record MUST be Signed		Holding by (print): Eric Lawrence Date/Time: 6/25/08 0930 Signature: _____		Received by (print): Steve Ford Date/Time: 6/26/08 9:30 Signature: _____	
Sample Disposal: Return to Client: _____		Lab Disposal: _____		Received by Laboratory: _____ Date/Time: _____ Signature: _____	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

August 21, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08070005 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 7/1/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070005-001	DewBurd GW16	06/30/08 13:45	07/01/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08070005-002	DewBurd GW688	06/30/08 18:39	07/01/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:


Linda Larson

Rapid City - Project Manager



Date: 21-Aug-08

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070005

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.

- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08070216

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

End of comments imported for SUBBED Workorder: C08070216



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-001
Client Sample ID: DewBurd GW16

Report Date: 08/21/08
Collection Date: 06/30/08 13:45
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	150	mg/L		5		1	A2320 B	07/03/08 12:27/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 12:27/mb
Bicarbonate as HCO3	183	mg/L		5		1	A2320 B	07/03/08 12:27/mb
Calcium	125	mg/L		0.5		2	E200.7	07/10/08 18:43/eli-c
Chloride	4	mg/L		1		1	E300.0	07/01/08 22:19/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/01/08 22:19/jmh
Magnesium	47.0	mg/L		0.5		2	E200.7	07/10/08 18:43/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/01/08 22:19/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/01/08 22:19/jmh
Potassium	16.7	mg/L		0.5		2	E200.7	07/10/08 18:43/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	07/10/08 18:43/eli-c
Sodium	48	mg/L	D	2		2	E200.7	07/10/08 18:43/eli-c
Sulfate	401	mg/L	D	3		50	E300.0	07/01/08 22:03/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1000	umhos/cm		5.0		1	A2510 B	07/02/08 11:39/tb
Oxidation-Reduction Potential	230	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.38	s.u.		0.01		1	A4500-H B	07/02/08 10:52/tb
Sodium Adsorption Ratio (SAR)	0.93	unitless		0.10		1	Calculation	08/21/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	780	mg/L		5		1	A2540 C	07/02/08 16:37/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/10/08 18:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/22/08 01:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 18:43/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/10/08 18:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/22/08 01:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/10/08 18:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/22/08 01:09/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/10/08 18:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/22/08 01:09/eli-c
Manganese	0.14	mg/L		0.01		2	E200.7	07/10/08 18:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/22/08 01:09/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 18:43/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/10/08 18:43/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:30/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/22/08 01:09/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-001
Client Sample ID: DewBurd GW16

Report Date: 08/21/08
Collection Date: 06/30/08 13:45
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/22/08 01:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/22/08 01:09/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/10/08 18:43/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	07/10/08 18:43/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/21/08 12:50/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	28.3	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha precision (±)	3.5	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha MDC	2.9	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta	19.3	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta MDC	3.1	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Lead 210	2.0	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	6.4	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	07/22/08 11:26/eli-c
Gross Gamma	760	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	150	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.4	pCi/L	U			1	E909.0M	07/17/08 09:30/eli-c
Lead 210 precision (±)	6.3	pCi/L				1	E909.0M	07/17/08 09:30/eli-c
Lead 210 MDC	10.6	pCi/L				1	E909.0M	07/17/08 09:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.21	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	07/23/08 22:55/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-001
Client Sample ID: DewBurd GW16

Report Date: 08/21/08
Collection Date: 06/30/08 13:45
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 22:55/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/23/08 22:55/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 15:32/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/21/08 15:32/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	3150	pCi/L		100		1	D5072-92	07/08/08 05:45/eli-c
Radon 222 precision (±)	128	pCi/L				1	D5072-92	07/08/08 05:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:35/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 12:35/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:35/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:24/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:57/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:35/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:35/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:35/eli-c
Iron	0.26	mg/L		0.03		2	E200.7	07/09/08 03:57/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 12:35/eli-c
Manganese	0.13	mg/L		0.01		10	E200.8	07/08/08 12:35/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:11/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:35/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:35/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/08/08 12:35/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:35/eli-c
Strontium	2.7	mg/L		0.1		10	E200.8	07/08/08 12:35/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:35/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/08/08 12:35/eli-c
Zinc	ND	mg/L	D	0.03		10	E200.8	07/08/08 12:35/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.63	%				1	A1030 E	08/21/08 00:00/lkl
Anions	11.5	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	12.6	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	743	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	08/21/08 00:00/lkl

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-002
Client Sample ID: DewBurd GW688

Report Date: 08/21/08
Collection Date: 06/30/08 18:39
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	07/03/08 12:36/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 12:36/mb
Bicarbonate as HCO3	156	mg/L		5		1	A2320 B	07/03/08 12:36/mb
Calcium	40.4	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Chloride	11	mg/L		1		1	E300.0	07/01/08 22:52/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	07/01/08 22:52/jmh
Magnesium	19.2	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:07/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/01/08 22:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/01/08 22:52/jmh
Potassium	12.9	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Sodium	191	mg/L	D	2		2	E200.7	07/10/08 18:47/eli-c
Sulfate	407	mg/L	D	3		50	E300.0	07/01/08 22:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1140	umhos/cm		5.0		1	A2510 B	07/02/08 11:40/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/07/08 14:00/jmh
pH	8.60	s.u.		0.01		1	A4500-H B	07/02/08 10:52/tb
Sodium Adsorption Ratio (SAR)	6.2	unitless		0.10		1	Calculation	08/21/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	770	mg/L		5		1	A2540 C	07/02/08 16:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/22/08 01:16/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/22/08 01:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/10/08 18:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/22/08 01:16/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/10/08 18:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/22/08 01:16/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	07/10/08 18:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/22/08 01:16/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/10/08 18:47/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/22/08 01:16/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-002
Client Sample ID: DewBurd GW688

Report Date: 08/21/08
Collection Date: 06/30/08 18:39
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/22/08 01:16/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/22/08 01:16/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/10/08 18:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/21/08 12:57/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	13.2	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta	16.5	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta MDC	4.5	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Lead 210	-0.1	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	0.6	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	07/22/08 11:26/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.3	pCi/L	U			1	E909.0M	07/17/08 09:30/eli-c
Lead 210 precision (±)	6.0	pCi/L				1	E909.0M	07/17/08 09:30/eli-c
Lead 210 MDC	10.1	pCi/L				1	E909.0M	07/17/08 09:30/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	07/23/08 22:55/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-002
Client Sample ID: DewBurd GW688

Report Date: 08/21/08
Collection Date: 06/30/08 18:39
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 22:55/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/23/08 22:55/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 15:33/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/21/08 15:33/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	426	pCi/L		100		1	D5072-92	07/08/08 05:45/eli-c
Radon 222 precision (±)	91.9	pCi/L				1	D5072-92	07/08/08 05:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:42/eli-c
Arsenic	0.003	mg/L	D	0.002		10	E200.8	07/08/08 12:42/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:42/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:38/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 04:01/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:42/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:42/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:42/eli-c
Iron	0.08	mg/L		0.03		2	E200.7	07/09/08 04:01/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 12:42/eli-c
Manganese	0.02	mg/L		0.01		10	E200.8	07/08/08 12:42/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:14/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:42/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:42/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/08/08 12:42/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:42/eli-c
Strontium	1.1	mg/L		0.1		10	E200.8	07/08/08 12:42/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:42/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/08/08 12:42/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 12:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.05	%				1	A1030 E	08/21/08 00:00/lkl
Anions	11.5	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	12.3	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	774	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/21/08 00:00/lkl

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080703A-ALK-SEL-W							
Sample ID: LCS1_080703A	Laboratory Control Sample					Run: PH_COND1-R_080703A			07/03/08 11:24
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080703A	Method Blank					Run: PH_COND1-R_080703A			07/03/08 11:25
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08070005-002AMS	Sample Matrix Spike					Run: PH_COND1-R_080703A			07/03/08 12:37
Alkalinity, Total as CaCO3	250	mg/L	5.0	108	80	120			
Sample ID: R08070005-002AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080703A			07/03/08 12:41
Alkalinity, Total as CaCO3	242	mg/L	5.0	100	80	120	3.3	10	
Method: A2510 B		Batch: 080702_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702B			07/02/08 11:33
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: LCS1-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702B			07/02/08 11:33
Conductivity @ 25 C	148	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702B			07/02/08 11:34
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080702	Method Blank					Run: PH_COND2-R_080702B			07/02/08 11:37
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C		Batch: 080702A-SLDS-TDS-W							
Sample ID: LCS1_080702A	Laboratory Control Sample					Run: BAL-4-R_080702A			07/02/08 16:34
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080702A	Method Blank					Run: BAL-4-R_080702A			07/02/08 16:35
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060475-001BMS	Sample Matrix Spike					Run: BAL-4-R_080702A			07/02/08 16:36
Solids, Total Dissolved TDS @ 180 C	560	mg/L	5.0	90	80	120			
Sample ID: R08060475-001BMSD	Sample Matrix Spike Duplicate					Run: BAL-4-R_080702A			07/02/08 16:36
Solids, Total Dissolved TDS @ 180 C	570	mg/L	5.0	95	80	120	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B Batch: 080707-ORP-ISE-W									
Sample ID: LCS	Laboratory Control Sample					Run: PH_COND1-R_080707A			07/07/08 14:00
Oxidation-Reduction Potential	480	mV		100	95	105			
Sample ID: R08070005-001F	Sample Duplicate					Run: PH_COND1-R_080707A			07/07/08 14:00
Oxidation-Reduction Potential	230	mV					1.5	10	
Method: A3114 B Batch: C_SE3114-080719B									
Sample ID: MBLK	Method Blank					Run: SUB-C104481			07/19/08 12:46
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample					Run: SUB-C104481			07/19/08 12:48
Selenium-IV	0.055	mg/L	0.0010	110	90	110			
Sample ID: R08070005-001E	Sample Matrix Spike					Run: SUB-C104481			07/19/08 13:36
Selenium-IV	0.052	mg/L	0.0010	103	85	115			
Sample ID: R08070005-001E	Sample Matrix Spike Duplicate					Run: SUB-C104481			07/19/08 13:38
Selenium-IV	0.052	mg/L	0.0010	104	85	115	0.9	10	
Method: A3114 B Batch: C_SE3114-080719D									
Sample ID: MBLK	Method Blank					Run: SUB-C104485			07/19/08 15:42
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample					Run: SUB-C104485			07/19/08 15:47
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: R08070005-001E	Sample Matrix Spike					Run: SUB-C104485			07/19/08 16:32
Selenium	0.055	mg/L	0.0010	110	85	115			
Sample ID: R08070005-001E	Sample Matrix Spike Duplicate					Run: SUB-C104485			07/19/08 16:34
Selenium	0.055	mg/L	0.0010	109	85	115	0.6	10	
Method: A4500-H B Batch: 080702_1_PH-W									
Sample ID: LCS_pH-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702A			07/02/08 10:45
pH	6.90	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2008-07-12_2_NH3_01		
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080712A			07/12/08 16:27
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080712A			07/12/08 16:28
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080712A			07/12/08 16:30
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: R08060509-005AMS	Sample Matrix Spike					Run: TECHAA2-R_080712A			07/12/08 17:00
Nitrogen, Ammonia as N	0.24	mg/L	0.10	97	80	120			
Sample ID: R08060509-005AMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080712A			07/12/08 17:01
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	80	120	0.4	10	
Sample ID: R08070028-003BMS	Sample Matrix Spike					Run: TECHAA2-R_080712A			07/12/08 17:14
Nitrogen, Ammonia as N	0.17	mg/L	0.10	67	80	120			S
Sample ID: R08070028-003BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080712A			07/12/08 17:15
Nitrogen, Ammonia as N	0.20	mg/L	0.10	80	80	120	17	10	R
Method: D5072-92							Batch: C_R104020		
Sample ID: R08070005-002G	Sample Duplicate					Run: SUB-C104020			07/08/08 05:45
Radon 222	362	pCi/L	100				16	30	
Sample ID: MB-R104020	Method Blank					Run: SUB-C104020			07/08/08 05:45
Radon 222	-20	pCi/L							
Sample ID: LCS-R104020	Laboratory Control Sample					Run: SUB-C104020			07/08/08 05:45
Radon 222	303	pCi/L	100	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_19044
Sample ID: MB-19044	Method Blank				Run: SUB-C103914				07/09/08 03:04
Boron	0.04	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-19044	Laboratory Control Sample				Run: SUB-C103914				07/09/08 03:08
Boron	0.535	mg/L	0.10	99	85	115			
Iron	2.57	mg/L	0.030	103	85	115			
Sample ID: R08070005-002D	Sample Matrix Spike				Run: SUB-C103914				07/09/08 04:05
Boron	0.581	mg/L	0.10	105	70	130			
Iron	2.74	mg/L	0.030	106	70	130			
Sample ID: R08070005-002D	Sample Matrix Spike Duplicate				Run: SUB-C103914				07/09/08 04:09
Boron	0.570	mg/L	0.10	103	70	130	1.8	20	
Iron	2.69	mg/L	0.030	104	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104056		
Sample ID: MB-080710A	Method Blank		Run: SUB-C104056				07/10/08 15:51		
Silica	0.04	mg/L	0.02						
Aluminum	0.009	mg/L	0.004						
Barium	0.02	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.003	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080710A	Laboratory Fortified Blank		Run: SUB-C104056				07/10/08 15:55		
Silica	0.46	mg/L	0.10	105	85	125			
Aluminum	1.0	mg/L	0.10	101	85	125			
Barium	1.0	mg/L	0.10	100	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Calcium	54	mg/L	0.50	108	85	125			
Chromium	1.0	mg/L	0.050	104	85	125			
Iron	1.1	mg/L	0.030	112	85	125			
Magnesium	54	mg/L	0.50	108	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	1.0	mg/L	0.10	102	85	125			
Nickel	1.0	mg/L	0.050	102	85	125			
Potassium	46	mg/L	0.50	93	85	125			
Sodium	51	mg/L	0.77	101	85	125			
Vanadium	1.0	mg/L	0.10	105	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: C08061234-001BMS2	Sample Matrix Spike		Run: SUB-C104056				07/10/08 17:08		
Aluminum	2.18	mg/L	0.10	99	70	130			
Barium	2.06	mg/L	0.10	101	70	130			
Boron	4.65	mg/L	0.10	103	70	130			
Chromium	2.07	mg/L	0.050	104	70	130			
Iron	2.21	mg/L	0.030	108	70	130			
Manganese	2.06	mg/L	0.010	103	70	130			
Molybdenum	2.02	mg/L	0.10	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104056		
Sample ID: C08061234-001BMS2	Sample Matrix Spike		Run: SUB-C104056				07/10/08 17:08		
Nickel	2.03	mg/L	0.050	102	70	130			
Vanadium	2.05	mg/L	0.10	103	70	130			
Zinc	2.08	mg/L	0.010	104	70	130			
Calcium	107	mg/L	1.0	104	70	130			
Magnesium	105	mg/L	1.0	105	70	130			
Potassium	89.8	mg/L	1.0	87	70	130			
Silica	23.6	mg/L	0.10		70	130			A
Sodium	774	mg/L	1.5		70	130			A
Sample ID: C08061234-001BMSD2	Sample Matrix Spike Duplicate		Run: SUB-C104056				07/10/08 17:12		
Aluminum	2.20	mg/L	0.10	100	70	130	1.0	20	
Barium	2.07	mg/L	0.10	102	70	130	0.5	20	
Boron	4.66	mg/L	0.10	103	70	130	0.1	20	
Chromium	2.08	mg/L	0.050	104	70	130	0.4	20	
Iron	2.21	mg/L	0.030	108	70	130	0.1	20	
Manganese	2.07	mg/L	0.010	103	70	130	0.5	20	
Molybdenum	2.04	mg/L	0.10	102	70	130	1.1	20	
Nickel	2.04	mg/L	0.050	102	70	130	0.3	20	
Vanadium	2.03	mg/L	0.10	102	70	130	0.8	20	
Zinc	2.10	mg/L	0.010	105	70	130	0.8	20	
Calcium	107	mg/L	1.0	104	70	130	0.4	20	
Magnesium	106	mg/L	1.0	106	70	130	1.0	20	
Potassium	91.0	mg/L	1.0	88	70	130	1.3	20	
Silica	23.5	mg/L	0.10		70	130	0.4	20	A
Sodium	780	mg/L	1.5		70	130	0.7	20	A
Sample ID: C08061228-001BMS2	Sample Matrix Spike		Run: SUB-C104056				07/10/08 19:20		
Aluminum	4.76	mg/L	0.10	94	70	130			
Barium	5.15	mg/L	0.10	101	70	130			
Boron	5.29	mg/L	0.10	101	70	130			
Chromium	4.98	mg/L	0.050	100	70	130			
Iron	5.11	mg/L	0.044	-51	70	130			S
Manganese	5.12	mg/L	0.010	99	70	130			
Molybdenum	4.98	mg/L	0.10	100	70	130			
Nickel	4.92	mg/L	0.050	98	70	130			
Vanadium	5.09	mg/L	0.10	102	70	130			
Zinc	5.04	mg/L	0.010	101	70	130			
Calcium	665	mg/L	1.0	99	70	130			
Magnesium	361	mg/L	1.0	100	70	130			
Potassium	260	mg/L	1.0	91	70	130			
Silica	15.7	mg/L	0.10	26	70	130			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104056		
Sample ID: C08061228-001BMS2	Sample Matrix Spike			Run: SUB-C104056			07/10/08 19:20		
Sodium	335	mg/L	2.7	98	70	130			
Sample ID: C08061228-001BMSD2	Sample Matrix Spike Duplicate			Run: SUB-C104056			07/10/08 19:24		
Aluminum	4.90	mg/L	0.10	97	70	130	2.7	20	
Barium	5.14	mg/L	0.10	101	70	130	0.1	20	
Boron	5.36	mg/L	0.10	102	70	130	1.2	20	
Chromium	5.02	mg/L	0.050	100	70	130	0.8	20	
Iron	5.22	mg/L	0.044	-49	70	130	2.2	20	S
Manganese	5.22	mg/L	0.010	101	70	130	1.9	20	
Molybdenum	5.01	mg/L	0.10	100	70	130	0.6	20	
Nickel	4.99	mg/L	0.050	100	70	130	1.5	20	
Vanadium	5.12	mg/L	0.10	102	70	130	0.5	20	
Zinc	5.01	mg/L	0.010	100	70	130	0.6	20	
Calcium	668	mg/L	1.0	100	70	130	0.4	20	
Magnesium	364	mg/L	1.0	101	70	130	1.0	20	
Potassium	261	mg/L	1.0	92	70	130	0.6	20	
Silica	15.9	mg/L	0.10	31	70	130	1.4	20	S
Sodium	341	mg/L	2.7	100	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19044		
Sample ID: MB-19044	Method Blank		Run: SUB-C103886				07/08/08 11:07		
Antimony	0.0005	mg/L	0.0002						
Arsenic	0.002	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Chromium	0.002	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Lead	0.003	mg/L							
Manganese	0.0001	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Selenium	0.0002	mg/L	0.0002						
Silver	6E-05	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.03	mg/L	0.0003						
Sample ID: LCS3-19044							Laboratory Control Sample		
							Run: SUB-C103886		
							07/08/08 11:14		
Antimony	0.514	mg/L	0.050	103	85	115			
Arsenic	0.469	mg/L	0.0010	94	85	115			
Barium	0.495	mg/L	0.10	99	85	115			
Beryllium	0.229	mg/L	0.010	91	85	115			
Cadmium	0.235	mg/L	0.010	94	85	115			
Chromium	0.490	mg/L	0.050	97	85	115			
Copper	0.469	mg/L	0.010	94	85	115			
Lead	0.509	mg/L	0.050	101	85	115			
Manganese	2.53	mg/L	0.010	101	85	115			
Molybdenum	0.482	mg/L	0.10	96	85	115			
Nickel	0.473	mg/L	0.050	95	85	115			
Selenium	0.446	mg/L	0.0020	89	85	115			
Strontium	0.488	mg/L	0.10	98	85	115			
Thallium	0.485	mg/L	0.10	97	85	115			
Uranium	0.526	mg/L	0.00032	105	85	115			
Zinc	0.499	mg/L	0.010	95	85	115			
Sample ID: R08070005-002D							Sample Matrix Spike		
							Run: SUB-C103886		
							07/08/08 12:49		
Antimony	0.543	mg/L	0.050	109	70	130			
Arsenic	0.532	mg/L	0.0010	106	70	130			
Barium	0.566	mg/L	0.10	110	70	130			
Beryllium	0.227	mg/L	0.010	91	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19044		
Sample ID: R08070005-002D	Sample Matrix Spike			Run: SUB-C103886			07/08/08 12:49		
Cadmium	0.262	mg/L	0.010	105	70	130			
Chromium	0.513	mg/L	0.050	101	70	130			
Copper	0.508	mg/L	0.010	102	70	130			
Lead	0.528	mg/L	0.050	105	70	130			
Manganese	2.65	mg/L	0.010	105	70	130			
Molybdenum	0.522	mg/L	0.10	104	70	130			
Nickel	0.512	mg/L	0.050	102	70	130			
Selenium	0.507	mg/L	0.0020	101	70	130			
Silver	0.0468	mg/L	0.010	94	70	130			
Strontium	1.72	mg/L	0.10	118	70	130			
Thallium	0.517	mg/L	0.10	103	70	130			
Uranium	0.537	mg/L	0.00032	107	70	130			
Zinc	0.497	mg/L	0.010	99	70	130			
Sample ID: R08070005-002D	Sample Matrix Spike Duplicate			Run: SUB-C103886			07/08/08 12:56		
Antimony	0.523	mg/L	0.050	105	70	130	3.7	20	
Arsenic	0.502	mg/L	0.0010	100	70	130	5.9	20	
Barium	0.536	mg/L	0.10	104	70	130	5.6	20	
Beryllium	0.221	mg/L	0.010	88	70	130	3.1	20	
Cadmium	0.250	mg/L	0.010	100	70	130	4.9	20	
Chromium	0.491	mg/L	0.050	97	70	130	4.5	20	
Copper	0.492	mg/L	0.010	98	70	130	3.3	20	
Lead	0.505	mg/L	0.050	101	70	130	4.3	20	
Manganese	2.56	mg/L	0.010	102	70	130	3.3	20	
Molybdenum	0.506	mg/L	0.10	101	70	130	3.2	20	
Nickel	0.490	mg/L	0.050	98	70	130	4.3	20	
Selenium	0.484	mg/L	0.0020	96	70	130	4.8	20	
Silver	0.0463	mg/L	0.010	93	70	130	1.1	20	
Strontium	1.63	mg/L	0.10	99	70	130	5.5	20	
Thallium	0.501	mg/L	0.10	100	70	130	3.3	20	
Uranium	0.524	mg/L	0.00032	105	70	130	2.3	20	
Zinc	0.476	mg/L	0.010	95	70	130	4.3	20	
Sample ID: R08070005-002D	Sample Matrix Spike			Run: SUB-C104617			07/21/08 15:12		
Antimony	0.553	mg/L	0.050	110	70	130			
Arsenic	0.521	mg/L	0.0010	104	70	130			
Barium	0.525	mg/L	0.10	102	70	130			
Beryllium	0.264	mg/L	0.010	106	70	130			
Cadmium	0.251	mg/L	0.010	100	70	130			
Chromium	0.493	mg/L	0.050	98	70	130			
Copper	0.493	mg/L	0.010	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19044		
Sample ID: R08070005-002D	Sample Matrix Spike			Run: SUB-C104617			07/21/08 15:12		
Lead	0.528	mg/L	0.050	106	70	130			
Manganese	2.48	mg/L	0.010	99	70	130			
Molybdenum	0.539	mg/L	0.10	108	70	130			
Nickel	0.492	mg/L	0.050	98	70	130			
Selenium	0.504	mg/L	0.0010	101	70	130			
Silver	0.0476	mg/L	0.010	95	70	130			
Strontium	1.68	mg/L	0.10	112	70	130			
Thallium	0.521	mg/L	0.10	104	70	130			
Uranium	0.570	mg/L	0.00030	114	70	130			
Zinc	0.491	mg/L	0.010	98	70	130			
Sample ID: R08070005-002D	Sample Matrix Spike Duplicate			Run: SUB-C104617			07/21/08 15:18		
Antimony	0.562	mg/L	0.050	112	70	130	1.7	20	
Arsenic	0.511	mg/L	0.0010	101	70	130	2.0	20	
Barium	0.528	mg/L	0.10	103	70	130	0.7	20	
Beryllium	0.262	mg/L	0.010	105	70	130	0.7	20	
Cadmium	0.253	mg/L	0.010	101	70	130	1.1	20	
Chromium	0.491	mg/L	0.050	98	70	130	0.4	20	
Copper	0.476	mg/L	0.010	95	70	130	3.5	20	
Lead	0.520	mg/L	0.050	104	70	130	1.4	20	
Manganese	2.48	mg/L	0.010	99	70	130	0.0	20	
Molybdenum	0.548	mg/L	0.10	109	70	130	1.6	20	
Nickel	0.477	mg/L	0.050	95	70	130	3.0	20	
Selenium	0.485	mg/L	0.0010	97	70	130	3.7	20	
Silver	0.0474	mg/L	0.010	95	70	130	0.6	20	
Strontium	1.59	mg/L	0.10	94	70	130	5.3	20	
Thallium	0.532	mg/L	0.10	106	70	130	2.1	20	
Uranium	0.591	mg/L	0.00030	118	70	130	3.6	20	
Zinc	0.482	mg/L	0.010	96	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: SUB-C104609		
Sample ID: CCB	Continuing Calibration Blank							07/22/08 00:24	
Thorium 232	2.00E-05	mg/L	0.0010						
Sample ID: CCV	Continuing Calibration Verification Standard							07/22/08 00:30	
Thorium 232	0.0589	mg/L	0.0010	98	90	110			
Method: E200.8							Batch: C_R104609		
Sample ID: LRB	Method Blank		Run: SUB-C104609				07/21/08 16:56		
Arsenic	ND	mg/L	4E-05						
Cadmium	ND	mg/L	3E-06						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Mercury	8E-05	mg/L	1E-05						
Silver	9E-06	mg/L	7E-06						
Uranium	ND	mg/L	2E-06						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104609				07/21/08 17:02		
Arsenic	0.0503	mg/L	0.0010	101	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Copper	0.0506	mg/L	0.0010	101	85	115			
Lead	0.0494	mg/L	0.0010	99	85	115			
Mercury	0.00500	mg/L	0.0010	98	85	115			
Silver	0.0196	mg/L	0.0010	98	85	115			
Uranium	0.0483	mg/L	0.00030	97	85	115			
Sample ID: C08070162-002CMS4	Post Digestion Spike		Run: SUB-C104609				07/22/08 02:40		
Arsenic	0.0518	mg/L	0.0010	100	70	130			
Cadmium	0.0487	mg/L	0.010	97	70	130			
Copper	0.0501	mg/L	0.010	97	70	130			
Lead	0.0489	mg/L	0.050	98	70	130			
Mercury	0.00503	mg/L	0.0010	101	70	130			
Silver	0.0142	mg/L	0.010	71	70	130			
Thorium 232	0.0484	mg/L	0.0010	97	70	130			
Uranium	0.0571	mg/L	0.00030	98	70	130			
Sample ID: C08070162-002CMSD4	Post Digestion Spike Duplicate		Run: SUB-C104609				07/22/08 02:47		
Arsenic	0.0561	mg/L	0.0010	108	70	130	8.1	20	
Cadmium	0.0527	mg/L	0.010	105	70	130	7.9	20	
Copper	0.0550	mg/L	0.010	107	70	130	9.3	20	
Lead	0.0532	mg/L	0.050	106	70	130	8.4	20	
Mercury	0.00548	mg/L	0.0010	110	70	130	8.6	20	
Silver	0.0143	mg/L	0.010	72	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104609		
Sample ID: C08070162-002CMSD4	Post Digestion Spike Duplicate			Run: SUB-C104609			07/22/08 02:47		
Thorium 232	0.0529	mg/L	0.0010	106	70	130	8.8	20	
Uranium	0.0613	mg/L	0.00030	106	70	130	7.0	20	
Method: E245.1							Batch: B_33449		
Sample ID: MB-33449	Method Blank			Run: SUB-B113878			07/11/08 08:53		
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33449	Laboratory Fortified Blank			Run: SUB-B113878			07/11/08 08:55		
Mercury	0.0019	mg/L	0.0010	94	85	115			
Sample ID: B08070392-001HMS	Sample Matrix Spike			Run: SUB-B113878			07/11/08 09:00		
Mercury	0.0020	mg/L	0.0010	99	70	130			
Sample ID: B08070392-001HMSD	Sample Matrix Spike Duplicate			Run: SUB-B113878			07/11/08 09:02		
Mercury	0.0019	mg/L	0.0010	97	70	130	2.1	30	
Sample ID: B08070443-001DMS	Sample Matrix Spike			Run: SUB-B113878			07/11/08 09:23		
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08070443-001DMSD	Sample Matrix Spike Duplicate			Run: SUB-B113878			07/11/08 09:26		
Mercury	0.0018	mg/L	0.0010	92	70	130	2.7	30	
Method: E245.1							Analytical Run: SUB-B113878		
Sample ID: QCS	Initial Calibration Verification Standard						07/11/08 07:20		
Mercury	0.0020	mg/L	0.0010	98	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35797		
Sample ID: LFB0807011754-3	Laboratory Fortified Blank			Run: DIONEX_080701A			07/01/08 16:34		
Chloride	4.69	mg/L	0.50	94	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.43	mg/L	0.10	97	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0807011754-4	Laboratory Fortified Blank			Run: DIONEX_080701A			07/01/08 16:51		
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.88	mg/L	0.10	94	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.45	mg/L	0.10	98	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: R08060507-001AMS	Sample Matrix Spike			Run: DIONEX_080701A			07/01/08 20:41		
Chloride	15.6	mg/L	0.50	84	80	120			
Fluoride	2.21	mg/L	0.10	93	80	120			
Nitrogen, Nitrate as N	2.54	mg/L	0.10	93	80	120			
Nitrogen, Nitrite as N	2.52	mg/L	0.10	101	80	120			
Sulfate	62.8	mg/L	1.0	71	80	120			S
Sample ID: R08060507-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080701A			07/01/08 20:57		
Chloride	15.3	mg/L	0.50	77	80	120	2.2	10	S
Fluoride	2.09	mg/L	0.10	87	80	120	5.6	10	
Nitrogen, Nitrate as N	2.37	mg/L	0.10	86	80	120	6.9	10	
Nitrogen, Nitrite as N	2.35	mg/L	0.10	94	80	120	7.0	10	
Sulfate	62.2	mg/L	1.0	67	80	120	0.8	10	S
Sample ID: R08060417-007AMS	Sample Matrix Spike			Run: DIONEX_080701A			07/01/08 23:58		
Chloride	54.2	mg/L	1.1	87	80	120			
Fluoride	18.6	mg/L	0.11	86	80	120			
Nitrogen, Nitrate as N	23.7	mg/L	0.25	90	80	120			
Nitrogen, Nitrite as N	24.7	mg/L	0.58	99	80	120			
Sulfate	608	mg/L	1.0	74	80	120			S
Sample ID: R08060417-007AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080701A			07/02/08 00:14		
Chloride	53.6	mg/L	1.1	86	80	120	1.1	10	
Fluoride	18.0	mg/L	0.11	83	80	120	2.8	10	
Nitrogen, Nitrate as N	23.0	mg/L	0.25	87	80	120	2.9	10	
Nitrogen, Nitrite as N	24.0	mg/L	0.58	96	80	120	2.8	10	
Sulfate	607	mg/L	1.0	73	80	120	0.2	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0485		
Sample ID: MB-GrAB-0485	Method Blank				Run: SUB-C104921			07/26/08 03:40	
Gross Alpha	2	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0485	Laboratory Control Sample				Run: SUB-C104921			07/26/08 03:40	
Gross Alpha	120	pCi/L	87		70	130			
Sample ID: Cs137-GrAB-0485	Laboratory Control Sample				Run: SUB-C104921			07/26/08 03:41	
Gross Beta	100	pCi/L	108		70	130			
Sample ID: C08061318-001DMS	Sample Matrix Spike				Run: SUB-C104921			07/26/08 21:24	
Gross Alpha	168	pCi/L	119		70	130			
Sample ID: C08061318-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104921			07/26/08 21:24	
Gross Alpha	148	pCi/L	105		70	130	12	16.3	
Sample ID: C08061318-001DMS	Sample Matrix Spike				Run: SUB-C104921			07/26/08 21:25	
Gross Beta	95.8	pCi/L	100		70	130			
Sample ID: C08061318-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104921			07/26/08 21:25	
Gross Beta	98.1	pCi/L	102		70	130	2.3	16	
Method: E901.1							Batch: C_R104840		
Sample ID: LCS-R104840	Laboratory Control Sample				Run: SUB-C104840			07/17/08 13:12	
Americium 241	230000	pCi/L	20	75	70	130			
Cesium 137	460000	pCi/L	20	106	70	130			
Cobalt 60	320000	pCi/L	20	101	70	130			
Sample ID: MB-R104840	Method Blank				Run: SUB-C104840			07/17/08 13:12	
Gross Gamma	ND	pCi/L						U	
Sample ID: C08070215-007HDUP	Sample Duplicate				Run: SUB-C104840			07/17/08 13:12	
Gross Gamma	1000	pCi/L	20				8.7	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0							Batch: C_19031		
Sample ID: C08070134-001EMS	Sample Matrix Spike				Run: SUB-C104729		07/23/08 21:14		
Radium 226	81	pCi/L		104	70	130			
Sample ID: C08070134-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C104729		07/23/08 21:14		
Radium 226	79	pCi/L		102	70	130	2.3	24.5	
Sample ID: MB-19031	Method Blank				Run: SUB-C104729		07/23/08 22:55		
Radium 226	-0.6	pCi/L							U
Sample ID: LCS-19031	Laboratory Control Sample				Run: SUB-C104729		07/23/08 22:55		
Radium 226	15	pCi/L		97	70	130			
Method: E903.0							Batch: C_RA226-2956		
Sample ID: C08070219-001AMS	Sample Matrix Spike				Run: SUB-C105579		08/06/08 21:37		
Radium 226	17	pCi/L		97	70	130			
Sample ID: C08070219-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105579		08/06/08 21:37		
Radium 226	20	pCi/L		118	70	130	18	25.2	
Sample ID: MB-RA226-2956	Method Blank				Run: SUB-C105579		08/06/08 23:12		
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2956	Laboratory Control Sample				Run: SUB-C105579		08/06/08 23:12		
Radium 226	8.2	pCi/L		105	70	130			
Method: E907.0							Batch: C_19031		
Sample ID: C08070118-001AMS	Sample Matrix Spike				Run: SUB-C104845		07/21/08 15:28		
Thorium 230	103	pCi/Filter	0.20	112	70	130			
Sample ID: C08070118-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104845		07/21/08 15:30		
Thorium 230	90.4	pCi/Filter	0.20	99	70	130	13	30	
Sample ID: LCS-19031	Laboratory Control Sample				Run: SUB-C104845		07/21/08 15:33		
Thorium 230	51.6	pCi/L	0.20	104	70	130			
Sample ID: MB-19031	Method Blank				Run: SUB-C104845		07/18/08 12:39		
Thorium 230	0.3	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_RA-TH-ISO-0571		
Sample ID: LCS-RA-TH-ISO-0571	Laboratory Control Sample				Run: SUB-C104913				07/21/08 21:24
Thorium 230	6.31	pCi/L	0.20	103	70	130			
Sample ID: C08061333-002HMS	Sample Matrix Spike				Run: SUB-C104913				07/21/08 21:24
Thorium 230	15.3	pCi/L	0.20	94	70	130			
Sample ID: C08061333-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104913				07/21/08 21:24
Thorium 230	16.6	pCi/L	0.20	103	70	130	8.4	30	
Sample ID: MB-RA-TH-ISO-0571	Method Blank				Run: SUB-C104913				07/23/08 22:41
Thorium 230	0.03	pCi/L							U
Method: E909.0M							Batch: C_R105519		
Sample ID: MB-R105519	Method Blank				Run: SUB-C105519				07/17/08 09:30
Lead 210	-4	pCi/L							U
Sample ID: LCS-R105519	Laboratory Control Sample				Run: SUB-C105519				07/17/08 09:30
Lead 210	98	pCi/L		86	70	130			
Sample ID: C08070206-002AMS	Sample Matrix Spike				Run: SUB-C105519				07/17/08 09:30
Lead 210	1020	pCi/Filter		81	70	130			
Sample ID: C08070206-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105519				07/17/08 09:30
Lead 210	1350	pCi/Filter		110	70	130	28	30	
Method: E909.0M							Batch: C_R105847		
Sample ID: C08070547-001HMS	Sample Matrix Spike				Run: SUB-C105847				07/24/08 08:45
Lead 210	560	pCi/L		91	70	130			
Sample ID: C08070547-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105847				07/24/08 08:45
Lead 210	590	pCi/L		96	70	130	5.4	30	
Sample ID: MB-R105847	Method Blank				Run: SUB-C105847				07/24/08 08:45
Lead 210	5	pCi/L							U
Sample ID: LCS-R105847	Laboratory Control Sample				Run: SUB-C105847				07/24/08 08:45
Lead 210	130	pCi/L		106	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 08/21/08

Work Order: R08070005

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_R104910		
Sample ID: C08070215-001HMS	Sample Matrix Spike				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	57	pCi/L	1.0	66	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair is acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08070215-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	59	pCi/L	1.0	68	70	130	3.6	30	S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair is acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: LCS-R104910	Laboratory Control Sample				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	69	pCi/L	1.0	159	70	130			S
- LCS response is outside of the acceptance range for this analysis.									
Sample ID: MB-R104910	Method Blank				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	ND	pCi/L							U
Method: RMO-3008							Batch: C_R106180		
Sample ID: C08070215-001IMS	Sample Matrix Spike				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	19	pCi/L	1.0	94	70	130			
Sample ID: C08070215-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	23	pCi/L	1.0	114	70	130	19	30	
Sample ID: LCS-19031	Laboratory Control Sample				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	95	pCi/L	1.0	117	70	130			
Sample ID: MB-19031	Method Blank				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	ND	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC		Project Name, PWS, Permit, Etc. PeuerTel Dewey Burdock		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: RESPEC		Contact Name: Copy foreman response		Phone/Fax: 605-394-6400	Sampler: (Please Print) Eric Keane
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC		Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other		Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: All GW	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	Shipped by: Cooler Dye:
1. Dewey Burdock		6/30/08	13:45	W	Receipt Temp 3.1 °C On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Dewey Burdock		6/30/08	18:39	W	Custody Seal: Y <input type="checkbox"/> N <input type="checkbox"/> Intact: Y <input type="checkbox"/> N <input type="checkbox"/> Signature: _____ March: Y <input type="checkbox"/> N <input type="checkbox"/>
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
Custody Record MUST be Signed		Relinquished by (print): Eric Keane	Date/Time: 6/30/08 20:50	Signature: [Signature]	Received by (print): Linda Larson
		Relinquished by (print):	Date/Time:	Signature:	Date/Time: 6/1/08 04:45
		Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory: Linda Larson	Signature: [Signature]

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

September 09, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08070035 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 7/2/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070035-001	DewBurd GW693	07/01/08 19:39	07/02/08	Aqueous	Metals by ICP/CPMS, Dissolved Metals by ICP/CPMS, Suspended Metals by ICP/CPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08070035-002	DewBurd GW691	07/01/08 19:17	07/02/08	Aqueous	Same As Above
R08070035-003	DewBurd GW49	07/01/08 18:26	07/02/08	Aqueous	Same As Above
R08070035-004	DewBurd GW687	07/01/08 18:02	07/02/08	Aqueous	Same As Above
R08070035-005	DewBurd GW681	07/01/08 16:54	07/02/08	Aqueous	Same As Above
R08070035-006	DewBurd GW689	07/01/08 16:17	07/02/08	Aqueous	Same As Above
R08070035-007	DewBurd GW685	07/01/08 15:48	07/02/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.



Date: 09-Sep-08

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070035

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08070215

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08070215



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-001
Client Sample ID: DewBurd GW693

Report Date: 09/09/08
Collection Date: 07/01/08 19:39
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	68	mg/L		5		1	A2320 B	07/03/08 12:50/mb
Carbonate as CO3	7	mg/L		5		1	A2320 B	07/03/08 12:50/mb
Bicarbonate as HCO3	68	mg/L		5		1	A2320 B	07/03/08 12:50/mb
Calcium	73.7	mg/L		0.5		2	E200.7	07/21/08 13:55/eli-c
Chloride	38	mg/L	D	2		20	E300.0	07/03/08 00:04/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	07/03/08 00:21/jmh
Magnesium	35.2	mg/L		0.5		2	E200.7	07/21/08 13:55/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:23/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 00:21/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 00:21/jmh
Potassium	8.6	mg/L		0.5		2	E200.7	07/21/08 13:55/eli-c
Silica	5.0	mg/L		0.5		2	E200.7	07/21/08 13:55/eli-c
Sodium	380	mg/L	D	2		2	E200.7	07/21/08 13:55/eli-c
Sulfate	886	mg/L		1		20	E300.0	07/03/08 00:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1650	umhos/cm		5.0		1	A2510 B	07/02/08 11:45/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	07/07/08 14:00/jmh
pH	9.03	s.u.		0.01		1	A4500-H B	07/02/08 10:53/tb
Sodium Adsorption Ratio (SAR)	9.1	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	1400	mg/L		5		1	A2540 C	07/02/08 16:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 13:55/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/23/08 16:55/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 13:55/eli-c
Boron	1.0	mg/L		0.1		2	E200.7	07/21/08 13:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 16:55/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 13:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 16:55/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	07/21/08 13:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 16:55/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	07/21/08 13:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 16:55/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 13:55/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 13:55/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 14:18/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-001
Client Sample ID: DewBurd GW693

Report Date: 09/09/08
Collection Date: 07/01/08 19:39
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 16:55/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/23/08 16:55/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 13:55/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 13:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:03/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.8	pCi/L	U			1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	3.8	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	6.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	2.7	pCi/L	U			1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	4.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	6.6	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	1.3	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	0.6	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/03/08 18:40/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	08/03/08 18:40/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.3	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	5.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-001
Client Sample ID: DewBurd GW693

Report Date: 09/09/08
Collection Date: 07/01/08 19:39
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/29/08 09:57/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	424	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	49.7	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 11:28/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	07/08/08 11:28/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 11:28/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/08/08 11:28/eli-c
Boron	1.1	mg/L		0.1		2	E200.7	07/09/08 03:12/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 11:28/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 11:28/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 11:28/eli-c
Iron	1.44	mg/L		0.03		2	E200.7	07/09/08 03:12/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 11:28/eli-c
Manganese	0.01	mg/L		0.01		10	E200.8	07/08/08 11:28/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:21/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:33/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 11:28/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 11:28/eli-c
Selenium	0.005	mg/L	D	0.002		10	E200.8	07/08/08 11:28/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 11:28/eli-c
Strontium	2.1	mg/L		0.1		10	E200.8	07/08/08 11:28/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 11:28/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/08/08 11:28/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 11:28/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.47	%				1	A1030 E	09/05/08 00:00/jmh
Anions	20.9	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	23.3	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	1480	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-002
Client Sample ID: DewBurd GW691

Report Date: 09/09/08
Collection Date: 07/01/08 19:17
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	1160	mg/L		5		1	A2320 B	07/03/08 12:59/mb
Carbonate as CO3	19	mg/L		5		1	A2320 B	07/03/08 12:59/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	07/03/08 12:59/mb
Calcium	251	mg/L		0.5		2	E200.7	07/21/08 14:07/eli-c
Chloride	113	mg/L	D	5		50	E300.0	07/03/08 00:37/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	07/03/08 00:54/jmh
Magnesium	ND	mg/L		0.5		2	E200.7	07/21/08 14:07/eli-c
Nitrogen, Ammonia as N	1.2	mg/L		0.1		2	A4500-NH3 G	07/12/08 18:08/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 00:54/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 00:54/jmh
Potassium	16.7	mg/L		0.5		2	E200.7	07/21/08 14:07/eli-c
Silica	0.8	mg/L		0.5		2	E200.7	07/21/08 14:07/eli-c
Sodium	373	mg/L	D	2		2	E200.7	07/21/08 14:07/eli-c
Sulfate	159	mg/L	D	3		50	E300.0	07/03/08 00:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5360	umhos/cm		5.0		1	A2510 B	07/02/08 11:46/tb
Oxidation-Reduction Potential	24	mV				1	A2580 B	07/07/08 14:00/jmh
pH	12.4	s.u.		0.01		1	A4500-H B	07/02/08 10:54/tb
Sodium Adsorption Ratio (SAR)	6.5	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	1500	mg/L		5		1	A2540 C	07/02/08 16:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:07/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/23/08 17:02/eli-c
Barium	0.5	mg/L		0.1		2	E200.7	07/21/08 14:07/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/21/08 14:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/25/08 14:45/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 17:02/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:07/eli-c
Lead	0.011	mg/L		0.001		1	E200.8	07/23/08 17:02/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	07/21/08 14:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:02/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:07/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:07/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 14:45/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-002
Client Sample ID: DewBurd GW691

Report Date: 09/09/08
Collection Date: 07/01/08 19:17
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 17:02/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/23/08 17:02/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:07/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/21/08 14:07/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:07/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:26/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.9	pCi/L	U			1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	6.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	9.9	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	15.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	5.7	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	9.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	0.5	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	1.2	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/03/08 18:40/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/03/08 18:40/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.2	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	5.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-002
Client Sample ID: DewBurd GW691

Report Date: 09/09/08
Collection Date: 07/01/08 19:17
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/29/08 09:57/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	119	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	45.7	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 11:34/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 11:34/eli-c
Barium	0.5	mg/L		0.1		10	E200.8	07/08/08 11:34/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/08/08 11:34/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:20/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 11:34/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 11:34/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 11:34/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	07/09/08 03:20/eli-c
Lead	0.035	mg/L		0.001		10	E200.8	07/08/08 11:34/eli-c
Manganese	ND	mg/L		0.01		10	E200.8	07/08/08 11:34/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:28/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:36/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 11:34/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 11:34/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/08/08 11:34/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 11:34/eli-c
Strontium	5.3	mg/L		0.1		10	E200.8	07/08/08 11:34/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 11:34/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/08/08 11:34/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 11:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.590	%				1	A1030 E	09/05/08 00:00/jmh
Anions	29.6	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	29.3	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	1610	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-003
Client Sample ID: DewBurd GW49

Report Date: 09/09/08
Collection Date: 07/01/08 18:26
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	07/03/08 13:03/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 13:03/mb
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	07/03/08 13:03/mb
Calcium	62.2	mg/L		0.5		2	E200.7	07/21/08 14:15/eli-c
Chloride	12	mg/L		1		1	E300.0	07/03/08 01:59/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/03/08 01:59/jmh
Magnesium	25.2	mg/L		0.5		2	E200.7	07/21/08 14:15/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:24/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 01:59/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 01:59/jmh
Potassium	10.4	mg/L		0.5		2	E200.7	07/21/08 14:15/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	07/21/08 14:15/eli-c
Sodium	226	mg/L	D	2		2	E200.7	07/21/08 14:15/eli-c
Sulfate	465	mg/L		1		20	E300.0	07/03/08 01:10/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1200	umhos/cm		5.0		1	A2510 B	07/02/08 11:47/tb
Oxidation-Reduction Potential	160	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.91	s.u.		0.01		1	A4500-H B	07/02/08 10:57/tb
Sodium Adsorption Ratio (SAR)	6.1	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	07/02/08 16:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:15/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/23/08 17:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 14:15/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 14:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 17:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 17:09/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 17:09/eli-c
Manganese	0.14	mg/L		0.01		2	E200.7	07/21/08 14:15/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:09/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:15/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:15/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:41/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 14:52/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-003
Client Sample ID: DewBurd GW49

Report Date: 09/09/08
Collection Date: 07/01/08 18:26
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 17:09/eli-c
Uranium	0.0011	mg/L		0.0003		1	E200.8	07/23/08 17:09/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:15/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 14:15/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:11/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:28/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.2	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	3.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	7.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	1.6	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	2.2	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/03/08 18:40/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/03/08 18:40/eli-c
Gross Gamma	920	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	140	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.3	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	5.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-003
Client Sample ID: DewBurd GW49

Report Date: 09/09/08
Collection Date: 07/01/08 18:26
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	07/29/08 09:57/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	477	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	50.8	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 11:41/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 11:41/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 11:41/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/08/08 11:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:24/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 11:41/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 11:41/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 11:41/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	07/09/08 03:24/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 11:41/eli-c
Manganese	0.12	mg/L		0.01		10	E200.8	07/08/08 11:41/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:30/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:38/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 11:41/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 11:41/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/08/08 11:41/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 11:41/eli-c
Strontium	1.1	mg/L		0.1		10	E200.8	07/08/08 11:41/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 11:41/eli-c
Uranium	0.0011	mg/L		0.0003		10	E200.8	07/08/08 11:41/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 11:41/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.51	%				1	A1030 E	09/05/08 00:00/jmh
Anions	13.4	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	15.3	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	915	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-004
Client Sample ID: DewBurd GW687

Report Date: 09/09/08
Collection Date: 07/01/08 18:02
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	184	mg/L		5		1	A2320 B	07/03/08 13:07/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 13:07/mb
Bicarbonate as HCO3	224	mg/L		5		1	A2320 B	07/03/08 13:07/mb
Calcium	76.7	mg/L		0.5		2	E200.7	07/21/08 14:19/eli-
Chloride	11	mg/L		1		1	E300.0	07/03/08 03:05/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/03/08 03:05/jmh
Magnesium	29.9	mg/L		0.5		2	E200.7	07/21/08 14:19/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:25/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 03:05/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 03:05/jmh
Potassium	10.7	mg/L		0.5		2	E200.7	07/21/08 14:19/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	07/21/08 14:19/eli-c
Sodium	208	mg/L	D	2		2	E200.7	07/21/08 14:19/eli-c
Sulfate	458	mg/L		1		20	E300.0	07/03/08 02:16/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	07/02/08 11:48/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.77	s.u.		0.01		1	A4500-H B	07/02/08 10:59/tb
Sodium Adsorption Ratio (SAR)	5.1	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	07/02/08 16:39/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:19/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/23/08 17:15/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 14:19/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 14:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 17:15/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 17:15/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 17:15/eli-c
Manganese	0.11	mg/L		0.01		2	E200.7	07/21/08 14:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:15/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:19/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:19/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 20:28/eli-c

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-004
Client Sample ID: DewBurd GW687

Report Date: 09/09/08
Collection Date: 07/01/08 18:02
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 17:15/eli-c
Uranium	0.0040	mg/L		0.0003		1	E200.8	07/23/08 17:15/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:19/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 14:19/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:32/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:30/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	114	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	7.5	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	33.5	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	3.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	3.9	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	25.7	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	1	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/03/08 18:40/eli-c
Thorium 230 precision (±)	0.04	pCi/L				1	E907.0	08/03/08 18:40/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-4.0	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	5.8	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.48	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-004
Client Sample ID: DewBurd GW687

Report Date: 09/09/08
Collection Date: 07/01/08 18:02
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/29/08 09:57/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	3380	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	79.9	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 11:48/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 11:48/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 11:48/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/08/08 11:48/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:28/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 11:48/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 11:48/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 11:48/eli-c
Iron	0.11	mg/L		0.03		2	E200.7	07/09/08 03:28/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 11:48/eli-c
Manganese	0.10	mg/L		0.01		10	E200.8	07/08/08 11:48/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:33/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:40/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 11:48/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 11:48/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/08/08 11:48/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 11:48/eli-c
Strontium	1.4	mg/L		0.1		10	E200.8	07/08/08 11:48/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 11:48/eli-c
Uranium	0.0042	mg/L		0.0003		10	E200.8	07/08/08 11:48/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 11:48/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.13	%				1	A1030 E	09/05/08 00:00/jmh
Anions	13.6	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	15.6	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	918	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-005
Client Sample ID: DewBurd GW681

Report Date: 09/09/08
Collection Date: 07/01/08 16:54
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	07/03/08 13:14/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 13:14/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	07/03/08 13:14/mb
Calcium	67.4	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Chloride	16	mg/L		1		1	E300.0	07/03/08 03:38/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/03/08 03:38/jmh
Magnesium	25.8	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:27/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 03:38/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 03:38/jmh
Potassium	9.7	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Sodium	218	mg/L	D	2		2	E200.7	07/21/08 14:23/eli-c
Sulfate	457	mg/L		1		20	E300.0	07/03/08 03:21/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	07/02/08 11:49/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.85	s.u.		0.01		1	A4500-H B	07/02/08 11:00/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	07/02/08 16:39/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/23/08 17:22/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 17:22/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:23/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 17:22/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 17:22/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	07/21/08 14:23/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:22/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:23/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 21:02/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-005
Client Sample ID: DewBurd GW681

Report Date: 09/09/08
Collection Date: 07/01/08 16:54
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 17:22/eli-c
Uranium	0.0094	mg/L		0.0003		1	E200.8	07/23/08 17:22/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 14:23/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:36/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:32/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1180	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	23.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	326	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	6.3	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	30.0	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	5.1	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	357	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	3.9	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/03/08 18:40/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	08/03/08 18:40/eli-c
Gross Gamma	1500	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.3	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	6.0	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.71	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	1.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-005
Client Sample ID: DewBurd GW681

Report Date: 09/09/08
Collection Date: 07/01/08 16:54
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	07/29/08 09:58/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:58/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	281000	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	609	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:15/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 12:15/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:15/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:04/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:32/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:15/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:15/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:15/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/09/08 03:32/eli-c
Lead	0.006	mg/L	D	0.004		10	E200.8	07/08/08 12:15/eli-c
Manganese	0.08	mg/L		0.01		10	E200.8	07/08/08 12:15/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:35/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:43/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:15/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:15/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/08/08 12:15/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:15/eli-c
Strontium	1.2	mg/L		0.1		10	E200.8	07/08/08 12:15/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:15/eli-c
Uranium	0.0092	mg/L		0.0003		10	E200.8	07/08/08 12:15/eli-c
Zinc	0.09	mg/L	D	0.03		10	E200.8	07/08/08 12:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.24	%				1	A1030 E	09/05/08 00:00/jmh
Anions	13.4	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	15.2	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	910	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

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Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

D - RL increased due to sample matrix interference.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-006
Client Sample ID: DewBurd GW689

Report Date: 09/09/08
Collection Date: 07/01/08 16:17
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	150	mg/L		5		1	A2320 B	07/03/08 13:16/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/03/08 13:16/mb
Bicarbonate as HCO ₃	183	mg/L		5		1	A2320 B	07/03/08 13:16/mb
Calcium	49.6	mg/L		0.5		2	E200.7	07/21/08 14:39/eli-c
Chloride	5	mg/L		1		1	E300.0	07/03/08 04:11/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/03/08 04:11/jmh
Magnesium	16.9	mg/L		0.5		2	E200.7	07/21/08 14:39/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	07/12/08 17:30/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 04:11/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 04:11/jmh
Potassium	7.8	mg/L		0.5		2	E200.7	07/21/08 14:39/eli-c
Silica	5.0	mg/L		0.5		2	E200.7	07/21/08 14:39/eli-c
Sodium	179	mg/L	D	2		2	E200.7	07/21/08 14:39/eli-c
Sulfate	354	mg/L		1		20	E300.0	07/03/08 03:54/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1010	umhos/cm		5.0		1	A2510 B	07/02/08 11:51/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.84	s.u.		0.01		1	A4500-H B	07/02/08 11:01/tb
Sodium Adsorption Ratio (SAR)	5.6	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	710	mg/L		5		1	A2540 C	07/02/08 16:39/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:39/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/25/08 21:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 14:39/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 14:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/25/08 21:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/25/08 21:09/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 17:29/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	07/21/08 14:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:29/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:39/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:39/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 21:09/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-006
Client Sample ID: DewBurd GW689

Report Date: 09/09/08
Collection Date: 07/01/08 16:17
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 17:29/eli-c
Uranium	0.0032	mg/L		0.0003		1	E200.8	07/23/08 17:29/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:39/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 14:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:40/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	33.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	3.9	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	14.7	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	3.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	1.1	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	7.7	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	08/04/08 00:44/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/04/08 00:44/eli-c
Gross Gamma	930	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.9	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	5.8	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.45	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.9	pCi/L				1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-006
Client Sample ID: DewBurd GW689

Report Date: 09/09/08
Collection Date: 07/01/08 16:17
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/29/08 09:58/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:58/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1820	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	66.7	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:22/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 12:22/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:22/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:11/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:36/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:22/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:22/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:22/eli-c
Iron	2.23	mg/L		0.03		2	E200.7	07/09/08 03:36/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/08/08 12:22/eli-c
Manganese	0.09	mg/L		0.01		10	E200.8	07/08/08 12:22/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:37/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:45/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:22/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:22/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/08/08 12:22/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:22/eli-c
Strontium	0.9	mg/L		0.1		10	E200.8	07/08/08 12:22/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:22/eli-c
Uranium	0.0073	mg/L		0.0003		10	E200.8	07/08/08 12:22/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 12:22/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.87	%				1	A1030 E	09/05/08 00:00/jmh
Anions	10.6	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	11.9	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	717	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-007
Client Sample ID: DewBurd GW685

Report Date: 09/09/08
Collection Date: 07/01/08 15:48
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	162	mg/L		5		1	A2320 B	07/03/08 13:18/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 13:18/mb
Bicarbonate as HCO3	197	mg/L		5		1	A2320 B	07/03/08 13:18/mb
Calcium	71.9	mg/L		0.5		2	E200.7	07/21/08 14:43/eli-c
Chloride	11	mg/L		1		1	E300.0	07/03/08 05:16/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/03/08 05:16/jmh
Magnesium	26.2	mg/L		0.5		2	E200.7	07/21/08 14:43/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:31/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 05:16/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 05:16/jmh
Potassium	9.9	mg/L		0.5		2	E200.7	07/21/08 14:43/eli-c
Silica	4.5	mg/L		0.5		2	E200.7	07/21/08 14:43/eli-c
Sodium	206	mg/L	D	2		2	E200.7	07/21/08 14:43/eli-c
Sulfate	460	mg/L		1		20	E300.0	07/03/08 04:27/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1150	umhos/cm		5.0		1	A2510 B	07/02/08 11:53/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.91	s.u.		0.01		1	A4500-H B	07/02/08 11:02/tb
Sodium Adsorption Ratio (SAR)	5.3	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	07/02/08 16:40/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:43/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	07/23/08 17:35/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 14:43/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 14:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/25/08 21:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 17:35/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 17:35/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	07/21/08 14:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:35/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:43/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:43/eli-c
Selenium	0.003	mg/L		0.001		1	A3114 B	07/28/08 15:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 21:16/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-007
Client Sample ID: DewBurd GW685

Report Date: 09/09/08
Collection Date: 07/01/08 15:48
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 17:35/eli-c
Uranium	0.0057	mg/L		0.0003		1	E200.8	07/23/08 17:35/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:43/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 14:43/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:44/eli-c
METALS - SPECIATED								
Selenium-IV	0.003	mg/L		0.001		1	A3114 B	07/28/08 13:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	23.8	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	12.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	5.9	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	2.3	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/04/08 00:44/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/04/08 00:44/eli-c
Gross Gamma	940	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.1	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	5.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.48	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-007
Client Sample ID: DewBurd GW685

Report Date: 09/09/08
Collection Date: 07/01/08 15:48
Date Received: 07/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/29/08 09:57/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	9460	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	121	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:29/eli-c
Arsenic	0.005	mg/L	D	0.002		10	E200.8	07/08/08 12:29/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:29/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:17/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:41/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:29/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:29/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:29/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/09/08 03:41/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 12:29/eli-c
Manganese	0.08	mg/L		0.01		10	E200.8	07/08/08 12:29/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:40/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/11/08 10:01/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:29/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:29/eli-c
Selenium	0.005	mg/L	D	0.002		10	E200.8	07/08/08 12:29/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:29/eli-c
Strontium	1.2	mg/L		0.1		10	E200.8	07/08/08 12:29/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:29/eli-c
Uranium	0.0056	mg/L		0.0003		10	E200.8	07/08/08 12:29/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 12:29/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.47	%				1	A1030 E	09/05/08 00:00/jmh
Anions	13.2	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	15.0	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	896	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	09/05/08 00:00/jmh

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

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Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

D - RL increased due to sample matrix interference.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B		Batch: 080703A-ALK-SEL-W							
Sample ID: LCS1_080703A	Laboratory Control Sample					Run: PH_COND1-R_080703A			07/03/08 11:24
Alkalinity, Total as CaCO ₃	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080703A	Method Blank					Run: PH_COND1-R_080703A			07/03/08 11:25
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08070005-002AMS	Sample Matrix Spike					Run: PH_COND1-R_080703A			07/03/08 12:37
Alkalinity, Total as CaCO ₃	250	mg/L	5.0	108	80	120			
Sample ID: R08070005-002AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080703A			07/03/08 12:41
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	100	80	120	3.3	10	
Sample ID: R08070071-001AMS	Sample Matrix Spike					Run: PH_COND1-R_080703A			07/03/08 13:25
Alkalinity, Total as CaCO ₃	216	mg/L	5.0	113	80	120			
Sample ID: R08070071-001AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080703A			07/03/08 14:07
Alkalinity, Total as CaCO ₃	194	mg/L	5.0	92	80	120	11	10	R
Method: A2510 B		Batch: 080702_1_COND-PROBE-W							
Sample ID: LCS_COND-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702B			07/02/08 11:33
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: LCS1-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702B			07/02/08 11:33
Conductivity @ 25 C	148	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_080702	Laboratory Control Sample					Run: PH_COND2-R_080702B			07/02/08 11:34
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080702	Method Blank					Run: PH_COND2-R_080702B			07/02/08 11:37
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08070035-006ADUP	Sample Duplicate					Run: PH_COND2-R_080702B			07/02/08 11:52
Conductivity @ 25 C	1000	umhos/cm	5.0				1.0	10	
Sample ID: R08070035-007ADUP	Sample Duplicate					Run: PH_COND2-R_080702B			07/02/08 11:54
Conductivity @ 25 C	1140	umhos/cm	5.0				0.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C							Batch: 080702A-SLDS-TDS-W		
Sample ID: LCS1_080702A	Laboratory Control Sample				Run: BAL-4-R_080702A				07/02/08 16:34
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080702A	Method Blank				Run: BAL-4-R_080702A				07/02/08 16:35
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060475-001BMS	Sample Matrix Spike				Run: BAL-4-R_080702A				07/02/08 16:36
Solids, Total Dissolved TDS @ 180 C	560	mg/L	5.0	90	80	120			
Sample ID: R08060475-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080702A				07/02/08 16:36
Solids, Total Dissolved TDS @ 180 C	570	mg/L	5.0	95	80	120	1.8	10	
Sample ID: R08070035-006AMS	Sample Matrix Spike				Run: BAL-4-R_080702A				07/02/08 16:40
Solids, Total Dissolved TDS @ 180 C	920	mg/L	5.0	108	80	120			
Sample ID: R08070035-006AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080702A				07/02/08 16:40
Solids, Total Dissolved TDS @ 180 C	920	mg/L	5.0	107	80	120	0.2	10	
Method: A2580 B							Batch: 080707-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080707A				07/07/08 14:00
Oxidation-Reduction Potential	480	mV		100	95	105			
Sample ID: R08070005-001F	Sample Duplicate				Run: PH_COND1-R_080707A				07/07/08 14:00
Oxidation-Reduction Potential	230	mV					1.5	10	
Method: A3114 B							Batch: C_SE3114-080728B		
Sample ID: MBLK	Method Blank				Run: SUB-C104944				07/28/08 13:15
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104944				07/28/08 13:17
Selenium-IV	0.054	mg/L	0.0010	108	90	110			
Sample ID: R08070035-001E	Sample Matrix Spike				Run: SUB-C104944				07/28/08 13:21
Selenium-IV	0.053	mg/L	0.0010	106	85	115			
Sample ID: R08070035-001E	Sample Matrix Spike Duplicate				Run: SUB-C104944				07/28/08 13:23
Selenium-IV	0.053	mg/L	0.0010	105	85	115	0.5	10	
Sample ID: C08070737-004EMS	Sample Matrix Spike				Run: SUB-C104944				07/28/08 13:51
Selenium-IV	0.050	mg/L	0.0010	99	85	115			
Sample ID: C08070737-004EMSD	Sample Matrix Spike Duplicate				Run: SUB-C104944				07/28/08 13:53
Selenium-IV	0.051	mg/L	0.0010	101	85	115	2.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080728C		
Sample ID: MBLK	Method Blank				Run: SUB-C104959			07/28/08 15:28	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104959			07/28/08 15:30	
Selenium	0.055	mg/L	0.0010	109	90	110			
Sample ID: R08070035-001E	Sample Matrix Spike				Run: SUB-C104959			07/28/08 15:34	
Selenium	0.052	mg/L	0.0010	104	85	115			
Sample ID: R08070035-001E	Sample Matrix Spike Duplicate				Run: SUB-C104959			07/28/08 15:37	
Selenium	0.050	mg/L	0.0010	100	85	115	3.4	10	
Sample ID: C08070737-004EMS	Sample Matrix Spike				Run: SUB-C104959			07/28/08 16:04	
Selenium	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08070737-004EMSD	Sample Matrix Spike Duplicate				Run: SUB-C104959			07/28/08 16:06	
Selenium	0.048	mg/L	0.0010	97	85	115	1.8	10	
Method: A4500-H B							Batch: 080702_1_PH-W		
Sample ID: LCS_pH-1_080702	Laboratory Control Sample				Run: PH_COND2-R_080702A			07/02/08 10:45	
pH	6.90	s.u.	0.010	101	98.55	101.45			
Sample ID: R08070035-002ADUP	Sample Duplicate				Run: PH_COND2-R_080702A			07/02/08 10:55	
pH	12.3	s.u.	0.010				0.6	1.25	
Sample ID: R08070035-007ADUP	Sample Duplicate				Run: PH_COND2-R_080702A			07/02/08 11:04	
pH	7.93	s.u.	0.010				0.3	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G		Batch: A2008-07-12_2_NH3_01							
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080712A			07/12/08 16:27
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080712A			07/12/08 16:28
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080712A			07/12/08 16:30
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: R08070028-003BMS	Sample Matrix Spike					Run: TECHAA2-R_080712A			07/12/08 17:14
Nitrogen, Ammonia as N	0.17	mg/L	0.10	67	80	120			S
Sample ID: R08070028-003BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080712A			07/12/08 17:15
Nitrogen, Ammonia as N	0.20	mg/L	0.10	80	80	120	17	10	R
Sample ID: R08070035-005BMS	Sample Matrix Spike					Run: TECHAA2-R_080712A			07/12/08 17:28
Nitrogen, Ammonia as N	0.33	mg/L	0.10	104	80	120			
Sample ID: R08070035-005BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080712A			07/12/08 17:29
Nitrogen, Ammonia as N	0.34	mg/L	0.10	105	80	120	0.9	10	
Sample ID: R08070071-001BMS	Sample Matrix Spike					Run: TECHAA2-R_080712A			07/12/08 18:11
Nitrogen, Ammonia as N	0.22	mg/L	0.10	88	80	120			
Sample ID: R08070071-001BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080712A			07/12/08 18:12
Nitrogen, Ammonia as N	0.23	mg/L	0.10	93	80	120	4.9	10	
Method: D5072-92		Batch: C_R103780							
Sample ID: R08070035-007G	Sample Duplicate					Run: SUB-C103780			07/03/08 16:32
Radon 222	9480	pCi/L	100				0.2	30	
Sample ID: MB-R103780	Method Blank					Run: SUB-C103780			07/03/08 16:32
Radon 222	20	pCi/L							
Sample ID: LCS-R103780	Laboratory Control Sample					Run: SUB-C103780			07/03/08 16:32
Radon 222	303	pCi/L	100	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_19044		
Sample ID: MB-19044	Method Blank				Run: SUB-C103914		07/09/08 03:04		
Boron	0.04	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-19044	Laboratory Control Sample				Run: SUB-C103914		07/09/08 03:08		
Boron	0.535	mg/L	0.10	99	85	115			
Iron	2.57	mg/L	0.030	103	85	115			
Sample ID: C08070216-002DMS3	Sample Matrix Spike				Run: SUB-C103914		07/09/08 04:05		
Boron	0.581	mg/L	0.10	105	70	130			
Iron	2.74	mg/L	0.030	106	70	130			
Sample ID: C08070216-002DMSD3	Sample Matrix Spike Duplicate				Run: SUB-C103914		07/09/08 04:09		
Boron	0.570	mg/L	0.10	103	70	130	1.8	20	
Iron	2.69	mg/L	0.030	104	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104583		
Sample ID: MB-080721A	Method Blank		Run: SUB-C104583				07/21/08 13:46		
Silica	0.05	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080721A	Laboratory Fortified Blank		Run: SUB-C104583				07/21/08 13:51		
Silica	0.48	mg/L	0.10	106	85	125			
Aluminum	0.96	mg/L	0.10	96	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.00	mg/L	0.10	100	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	107	85	125			
Magnesium	54	mg/L	0.50	108	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	1.00	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	48	mg/L	0.50	95	85	125			
Sodium	52	mg/L	0.77	103	85	125			
Vanadium	1.1	mg/L	0.10	108	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: R08070035-001C	Sample Matrix Spike		Run: SUB-C104583				07/21/08 13:59		
Aluminum	2.07	mg/L	0.10	103	70	130			
Barium	2.07	mg/L	0.10	103	70	130			
Boron	3.05	mg/L	0.10	100	70	130			
Chromium	2.18	mg/L	0.050	108	70	130			
Iron	2.70	mg/L	0.030	132	70	130			S
Manganese	2.10	mg/L	0.010	104	70	130			
Molybdenum	2.07	mg/L	0.10	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104583		
Sample ID: R08070035-001C	Sample Matrix Spike			Run: SUB-C104583			07/21/08 13:59		
Nickel	2.09	mg/L	0.050	105	70	130			
Vanadium	2.26	mg/L	0.10	112	70	130			
Zinc	2.09	mg/L	0.010	104	70	130			
Calcium	183	mg/L	1.0	110	70	130			
Magnesium	146	mg/L	1.0	111	70	130			
Potassium	100	mg/L	1.0	92	70	130			
Silica	5.78	mg/L	0.10		70	130			A
Sodium	474	mg/L	1.5	94	70	130			
Sample ID: R08070035-001C	Sample Matrix Spike Duplicate			Run: SUB-C104583			07/21/08 14:03		
Aluminum	2.12	mg/L	0.10	106	70	130	2.4	20	
Barium	2.07	mg/L	0.10	103	70	130	0.2	20	
Boron	3.14	mg/L	0.10	105	70	130	2.8	20	
Chromium	2.16	mg/L	0.050	107	70	130	1.1	20	
Iron	2.64	mg/L	0.030	129	70	130	2.0	20	
Manganese	2.16	mg/L	0.010	107	70	130	2.8	20	
Molybdenum	2.09	mg/L	0.10	103	70	130	1.2	20	
Nickel	2.33	mg/L	0.050	116	70	130	11	20	
Vanadium	2.33	mg/L	0.10	115	70	130	3.1	20	
Zinc	2.13	mg/L	0.010	106	70	130	2.1	20	
Calcium	185	mg/L	1.0	111	70	130	0.9	20	
Magnesium	149	mg/L	1.0	114	70	130	1.9	20	
Potassium	101	mg/L	1.0	92	70	130	0.7	20	
Silica	5.74	mg/L	0.10		70	130	0.6	20	A
Sodium	469	mg/L	1.5	90	70	130	1.0	20	
Sample ID: C08070559-001BMS2	Sample Matrix Spike			Run: SUB-C104583			07/21/08 15:03		
Aluminum	19.2	mg/L	0.10	96	70	130			
Barium	20.2	mg/L	0.12	98	70	130			
Boron	232	mg/L	0.17		70	130			A
Chromium	19.5	mg/L	0.050	98	70	130			
Iron	21.2	mg/L	0.095	106	70	130			
Manganese	21.7	mg/L	0.010	98	70	130			
Molybdenum	19.4	mg/L	0.10	97	70	130			
Nickel	19.4	mg/L	0.086	97	70	130			
Vanadium	21.2	mg/L	0.10	106	70	130			
Zinc	19.7	mg/L	0.044	99	70	130			
Calcium	6230	mg/L	2.1		70	130			A
Magnesium	2070	mg/L	1.0	102	70	130			
Potassium	947	mg/L	1.0	91	70	130			
Silica	18.2	mg/L	0.41	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104583		
Sample ID: C08070559-001BMS2	Sample Matrix Spike			Run: SUB-C104583				07/21/08 15:03	
Sodium	1030	mg/L	15	97	70	130			
Sample ID: C08070559-001BMSD2	Sample Matrix Spike Duplicate			Run: SUB-C104583				07/21/08 15:08	
Aluminum	19.4	mg/L	0.10	97	70	130	1.1	20	
Barium	20.0	mg/L	0.12	97	70	130	0.8	20	
Boron	234	mg/L	0.17		70	130	0.8	20	A
Chromium	19.7	mg/L	0.050	98	70	130	0.6	20	
Iron	21.2	mg/L	0.095	106	70	130	0.1	20	
Manganese	21.7	mg/L	0.010	98	70	130	0.1	20	
Molybdenum	19.4	mg/L	0.10	97	70	130	0.4	20	
Nickel	19.6	mg/L	0.086	98	70	130	1.0	20	
Vanadium	21.3	mg/L	0.10	106	70	130	0.2	20	
Zinc	19.8	mg/L	0.044	99	70	130	0.3	20	
Calcium	6230	mg/L	2.1		70	130	0.1	20	A
Magnesium	2090	mg/L	1.0	104	70	130	1.0	20	
Potassium	939	mg/L	1.0	90	70	130	0.9	20	
Silica	18.1	mg/L	0.41	92	70	130	0.1	20	
Sodium	1020	mg/L	15	96	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19044		
Sample ID: MB-19044	Method Blank		Run: SUB-C103886				07/08/08 11:07		
Antimony	0.0005	mg/L	0.0002						
Arsenic	0.002	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Chromium	0.002	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Lead	0.003	mg/L							
Manganese	0.0001	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Selenium	0.0002	mg/L	0.0002						
Silver	6E-05	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.03	mg/L	0.0003						
Sample ID: LCS3-19044	Laboratory Control Sample		Run: SUB-C103886				07/08/08 11:14		
Antimony	0.514	mg/L	0.050	103	85	115			
Arsenic	0.469	mg/L	0.0010	94	85	115			
Barium	0.495	mg/L	0.10	99	85	115			
Beryllium	0.229	mg/L	0.010	91	85	115			
Cadmium	0.235	mg/L	0.010	94	85	115			
Chromium	0.490	mg/L	0.050	97	85	115			
Copper	0.469	mg/L	0.010	94	85	115			
Lead	0.509	mg/L	0.050	101	85	115			
Manganese	2.53	mg/L	0.010	101	85	115			
Molybdenum	0.482	mg/L	0.10	96	85	115			
Nickel	0.473	mg/L	0.050	95	85	115			
Selenium	0.446	mg/L	0.0020	89	85	115			
Strontium	0.488	mg/L	0.10	98	85	115			
Thallium	0.485	mg/L	0.10	97	85	115			
Uranium	0.526	mg/L	0.00032	105	85	115			
Zinc	0.499	mg/L	0.010	95	85	115			
Sample ID: C08070216-002DMS3	Sample Matrix Spike		Run: SUB-C103886				07/08/08 12:49		
Antimony	0.543	mg/L	0.050	109	70	130			
Arsenic	0.532	mg/L	0.0010	106	70	130			
Barium	0.566	mg/L	0.10	110	70	130			
Beryllium	0.227	mg/L	0.010	91	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19044		
Sample ID: C08070216-002DMS3	Sample Matrix Spike			Run: SUB-C103886			07/08/08 12:49		
Cadmium	0.262	mg/L	0.010	105	70	130			
Chromium	0.513	mg/L	0.050	101	70	130			
Copper	0.508	mg/L	0.010	102	70	130			
Lead	0.528	mg/L	0.050	105	70	130			
Manganese	2.65	mg/L	0.010	105	70	130			
Molybdenum	0.522	mg/L	0.10	104	70	130			
Nickel	0.512	mg/L	0.050	102	70	130			
Selenium	0.507	mg/L	0.0020	101	70	130			
Silver	0.0468	mg/L	0.010	94	70	130			
Strontium	1.72	mg/L	0.10	118	70	130			
Thallium	0.517	mg/L	0.10	103	70	130			
Uranium	0.537	mg/L	0.00032	107	70	130			
Zinc	0.497	mg/L	0.010	99	70	130			
Sample ID: C08070216-002DMSD3	Sample Matrix Spike Duplicate			Run: SUB-C103886			07/08/08 12:56		
Antimony	0.523	mg/L	0.050	105	70	130	3.7	20	
Arsenic	0.502	mg/L	0.0010	100	70	130	5.9	20	
Barium	0.536	mg/L	0.10	104	70	130	5.6	20	
Beryllium	0.221	mg/L	0.010	88	70	130	3.1	20	
Cadmium	0.250	mg/L	0.010	100	70	130	4.9	20	
Chromium	0.491	mg/L	0.050	97	70	130	4.5	20	
Copper	0.492	mg/L	0.010	98	70	130	3.3	20	
Lead	0.505	mg/L	0.050	101	70	130	4.3	20	
Manganese	2.56	mg/L	0.010	102	70	130	3.3	20	
Molybdenum	0.506	mg/L	0.10	101	70	130	3.2	20	
Nickel	0.490	mg/L	0.050	98	70	130	4.3	20	
Selenium	0.484	mg/L	0.0020	96	70	130	4.8	20	
Silver	0.0463	mg/L	0.010	93	70	130	1.1	20	
Strontium	1.63	mg/L	0.10	99	70	130	5.5	20	
Thallium	0.501	mg/L	0.10	100	70	130	3.3	20	
Uranium	0.524	mg/L	0.00032	105	70	130	2.3	20	
Zinc	0.476	mg/L	0.010	95	70	130	4.3	20	
Sample ID: C08070216-002DMS3	Sample Matrix Spike			Run: SUB-C104617			07/21/08 15:12		
Antimony	0.553	mg/L	0.050	110	70	130			
Arsenic	0.521	mg/L	0.0010	104	70	130			
Barium	0.525	mg/L	0.10	102	70	130			
Beryllium	0.264	mg/L	0.010	106	70	130			
Cadmium	0.251	mg/L	0.010	100	70	130			
Chromium	0.493	mg/L	0.050	98	70	130			
Copper	0.493	mg/L	0.010	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19044		
Sample ID: C08070216-002DMS3	Sample Matrix Spike			Run: SUB-C104617			07/21/08 15:12		
Lead	0.528	mg/L	0.050	106	70	130			
Manganese	2.48	mg/L	0.010	99	70	130			
Molybdenum	0.539	mg/L	0.10	108	70	130			
Nickel	0.492	mg/L	0.050	98	70	130			
Selenium	0.504	mg/L	0.0010	101	70	130			
Silver	0.0476	mg/L	0.010	95	70	130			
Strontium	1.68	mg/L	0.10	112	70	130			
Thallium	0.521	mg/L	0.10	104	70	130			
Uranium	0.570	mg/L	0.00030	114	70	130			
Zinc	0.491	mg/L	0.010	98	70	130			
Sample ID: C08070216-002DMSD3	Sample Matrix Spike Duplicate			Run: SUB-C104617			07/21/08 15:18		
Antimony	0.562	mg/L	0.050	112	70	130	1.7	20	
Arsenic	0.511	mg/L	0.0010	101	70	130	2.0	20	
Barium	0.528	mg/L	0.10	103	70	130	0.7	20	
Beryllium	0.262	mg/L	0.010	105	70	130	0.7	20	
Cadmium	0.253	mg/L	0.010	101	70	130	1.1	20	
Chromium	0.491	mg/L	0.050	98	70	130	0.4	20	
Copper	0.476	mg/L	0.010	95	70	130	3.5	20	
Lead	0.520	mg/L	0.050	104	70	130	1.4	20	
Manganese	2.48	mg/L	0.010	99	70	130	0.0	20	
Molybdenum	0.548	mg/L	0.10	109	70	130	1.6	20	
Nickel	0.477	mg/L	0.050	95	70	130	3.0	20	
Selenium	0.485	mg/L	0.0010	97	70	130	3.7	20	
Silver	0.0474	mg/L	0.010	95	70	130	0.6	20	
Strontium	1.59	mg/L	0.10	94	70	130	5.3	20	
Thallium	0.532	mg/L	0.10	106	70	130	2.1	20	
Uranium	0.591	mg/L	0.00030	118	70	130	3.6	20	
Zinc	0.482	mg/L	0.010	96	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19124
Sample ID: MB-19124	Method Blank					Run: SUB-C104829			07/24/08 13:55
Uranium	ND	mg/L	2E-05						
Sample ID: LCS1-19124	Laboratory Control Sample					Run: SUB-C104829			07/24/08 13:59
Uranium	0.0500	mg/L	0.00030	95	80	120			
Sample ID: R08070035-007I	Post Digestion Spike					Run: SUB-C104829			07/24/08 14:48
Uranium	0.0115	mg/L	0.00030	92	70	130			
Sample ID: R08070035-007I	Post Digestion Spike Duplicate					Run: SUB-C104829			07/24/08 14:53
Uranium	0.0102	mg/L	0.00030	81	70	130	13	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Analytical Run: SUB-C104758		
Sample ID: CCB	Continuing Calibration Blank								07/23/08 16:28
Thorium 232	1.00E-05	mg/L	0.0010						
Sample ID: CCV	Continuing Calibration Verification Standard								07/23/08 16:35
Thorium 232	0.0579	mg/L	0.0010	97	90	110			
Method: E200.8							Batch: C_R104758		
Sample ID: LRB	Method Blank			Run: SUB-C104758			07/23/08 12:27		
Arsenic	ND	mg/L	4E-05						
Cadmium	ND	mg/L	3E-06						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Mercury	ND	mg/L	1E-05						
Uranium	4E-06	mg/L	2E-06						
Sample ID: LFB	Laboratory Fortified Blank			Run: SUB-C104758			07/23/08 12:34		
Arsenic	0.0497	mg/L	0.0010	99	85	115			
Cadmium	0.0506	mg/L	0.0010	101	85	115			
Copper	0.0512	mg/L	0.0010	102	85	115			
Lead	0.0492	mg/L	0.0010	98	85	115			
Mercury	0.00498	mg/L	0.0010	100	85	115			
Uranium	0.0488	mg/L	0.00030	98	85	115			
Sample ID: C08061324-001KMS4	Post Digestion Spike			Run: SUB-C104758			07/23/08 14:14		
Arsenic	0.0504	mg/L	0.0010	101	70	130			
Cadmium	0.0485	mg/L	0.010	97	70	130			
Copper	0.0498	mg/L	0.010	98	70	130			
Lead	0.0486	mg/L	0.050	97	70	130			
Mercury	0.00508	mg/L	0.0010	101	70	130			
Thorium 232	0.0484	mg/L	0.0010	97	70	130			
Uranium	0.276	mg/L	0.00030		70	130			A
Sample ID: C08061324-001KMSD4	Post Digestion Spike Duplicate			Run: SUB-C104758			07/23/08 14:21		
Arsenic	0.0526	mg/L	0.0010	105	70	130	4.3	20	
Cadmium	0.0505	mg/L	0.010	101	70	130	4.0	20	
Copper	0.0520	mg/L	0.010	102	70	130	4.2	20	
Lead	0.0498	mg/L	0.050	100	70	130	0.0	20	
Mercury	0.00545	mg/L	0.0010	109	70	130	7.1	20	
Thorium 232	0.0501	mg/L	0.0010	100	70	130	3.6	20	
Uranium	0.276	mg/L	0.00030		70	130	0.2	20	A

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104758		
Sample ID: C08070151-010BMS4	Post Digestion Spike			Run: SUB-C104758			07/23/08 16:01		
Arsenic	0.0510	mg/L	0.0010	100	70	130			
Cadmium	0.0481	mg/L	0.010	95	70	130			
Copper	0.0494	mg/L	0.010	98	70	130			
Lead	0.0474	mg/L	0.050	95	70	130			
Mercury	0.00504	mg/L	0.0010	101	70	130			
Thorium 232	0.0463	mg/L	0.0010	93	70	130			
Uranium	0.0503	mg/L	0.00030	93	70	130			
Sample ID: C08070151-010BMSD4	Post Digestion Spike Duplicate			Run: SUB-C104758			07/23/08 16:08		
Arsenic	0.0517	mg/L	0.0010	101	70	130	1.3	20	
Cadmium	0.0493	mg/L	0.010	98	70	130	2.5	20	
Copper	0.0499	mg/L	0.010	99	70	130	1.1	20	
Lead	0.0478	mg/L	0.050	96	70	130	0.0	20	
Mercury	0.00522	mg/L	0.0010	104	70	130	3.6	20	
Thorium 232	0.0470	mg/L	0.0010	94	70	130	1.5	20	
Uranium	0.0509	mg/L	0.00030	95	70	130	1.1	20	
Sample ID: C08070217-001KMS4	Post Digestion Spike			Run: SUB-C104758			07/23/08 18:15		
Arsenic	0.0595	mg/L	0.0010	102	70	130			
Cadmium	0.0473	mg/L	0.010	95	70	130			
Copper	0.0487	mg/L	0.010	97	70	130			
Lead	0.0476	mg/L	0.050	95	70	130			
Mercury	0.00492	mg/L	0.0010	98	70	130			
Thorium 232	0.0474	mg/L	0.0010	95	70	130			
Uranium	0.212	mg/L	0.00030	104	70	130			
Sample ID: C08070217-001KMSD4	Post Digestion Spike Duplicate			Run: SUB-C104758			07/23/08 18:22		
Arsenic	0.0596	mg/L	0.0010	102	70	130	0.1	20	
Cadmium	0.0478	mg/L	0.010	96	70	130	1.0	20	
Copper	0.0491	mg/L	0.010	98	70	130	0.8	20	
Lead	0.0479	mg/L	0.050	96	70	130	0.0	20	
Mercury	0.00503	mg/L	0.0010	100	70	130	2.3	20	
Thorium 232	0.0477	mg/L	0.0010	95	70	130	0.8	20	
Uranium	0.212	mg/L	0.00030	104	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104854		
Sample ID: LRB	Method Blank		Run: SUB-C104854				07/25/08 12:43		
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104854				07/25/08 12:50		
Arsenic	0.0511	mg/L	0.0010	102	85	115			
Cadmium	0.0522	mg/L	0.0010	104	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Silver	0.0206	mg/L	0.0010	103	85	115			
Sample ID: C08070230-001KMS4	Post Digestion Spike		Run: SUB-C104854				07/25/08 14:31		
Arsenic	0.0503	mg/L	0.0010	98	70	130			
Cadmium	0.0486	mg/L	0.010	97	70	130			
Copper	0.0462	mg/L	0.010	91	70	130			
Silver	0.0148	mg/L	0.010	74	70	130			
Sample ID: C08070230-001KMSD4	Post Digestion Spike Duplicate		Run: SUB-C104854				07/25/08 14:38		
Arsenic	0.0507	mg/L	0.0010	99	70	130	1.0	20	
Cadmium	0.0483	mg/L	0.010	97	70	130	0.7	20	
Copper	0.0463	mg/L	0.010	91	70	130	0.2	20	
Silver	0.0128	mg/L	0.010	64	70	130	15	20	S
Sample ID: C08070217-001KMS4	Post Digestion Spike		Run: SUB-C104854				07/25/08 21:29		
Arsenic	0.0589	mg/L	0.0010	100	70	130			
Cadmium	0.0468	mg/L	0.010	94	70	130			
Copper	0.0470	mg/L	0.010	94	70	130			
Silver	0.0109	mg/L	0.010	54	70	130			S
Sample ID: C08070217-001KMSD4	Post Digestion Spike Duplicate		Run: SUB-C104854				07/25/08 21:36		
Arsenic	0.0580	mg/L	0.0010	98	70	130	1.5	20	
Cadmium	0.0468	mg/L	0.010	94	70	130	0.0	20	
Copper	0.0463	mg/L	0.010	92	70	130	1.5	20	
Silver	0.0109	mg/L	0.010	55	70	130	0.5	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: B_33449		
Sample ID: MB-33449	Method Blank					Run: SUB-B113878			07/11/08 08:53
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33449	Laboratory Fortified Blank					Run: SUB-B113878			07/11/08 08:55
Mercury	0.0019	mg/L	0.0010	94	85	115			
Sample ID: B08070443-001DMS	Sample Matrix Spike					Run: SUB-B113878			07/11/08 09:23
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08070443-001DMSD	Sample Matrix Spike Duplicate					Run: SUB-B113878			07/11/08 09:26
Mercury	0.0018	mg/L	0.0010	92	70	130	2.7	30	
Method: E245.1							Analytical Run: SUB-B113878		
Sample ID: QCS	Initial Calibration Verification Standard								07/11/08 07:20
Mercury	0.0020	mg/L	0.0010	98	90	110			
Method: E245.1							Batch: C_B_33393		
Sample ID: MB-33393	Method Blank					Run: SUB-C104002			07/09/08 11:37
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33393	Laboratory Fortified Blank					Run: SUB-C104002			07/09/08 11:39
Mercury	0.0020	mg/L	0.0010	101	85	115			
Sample ID: B08070638-001BMS	Sample Matrix Spike					Run: SUB-C104002			07/09/08 12:07
Mercury	0.0022	mg/L	0.0010	108	70	130			
Sample ID: B08070638-001BMSD	Sample Matrix Spike Duplicate					Run: SUB-C104002			07/09/08 12:10
Mercury	0.0021	mg/L	0.0010	103	70	130	4.2	30	
Method: E245.1							Batch: C_B_33449		
Sample ID: MB-33449	Method Blank					Run: SUB-C104076			07/11/08 08:53
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33449	Laboratory Fortified Blank					Run: SUB-C104076			07/11/08 08:55
Mercury	0.0019	mg/L	0.0010	94	85	115			
Sample ID: B08070443-001DMS	Sample Matrix Spike					Run: SUB-C104076			07/11/08 09:23
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08070443-001DMSD	Sample Matrix Spike Duplicate					Run: SUB-C104076			07/11/08 09:26
Mercury	0.0018	mg/L	0.0010	92	70	130	2.7	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Analytical Run: SUB-C104076		
Sample ID: QCS	Initial Calibration Verification Standard						07/11/08 07:20		
Mercury	0.0020	mg/L	0.0010	98	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35848		
Sample ID: LFB0807024202-3	Laboratory Fortified Blank			Run: DIONEX_080702A			07/02/08 18:52		
Chloride	4.66	mg/L	0.50	93	90	110			
Fluoride	1.86	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.29	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0807024202-4	Laboratory Fortified Blank			Run: DIONEX_080702A			07/02/08 19:09		
Chloride	4.54	mg/L	0.50	91	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.25	mg/L	0.10	90	90	110			
Nitrogen, Nitrite as N	2.39	mg/L	0.10	96	90	110			
Sulfate	13.7	mg/L	1.0	91	90	110			
Sample ID: R08070031-001AMS	Sample Matrix Spike			Run: DIONEX_080702A			07/02/08 22:59		
Chloride	24.6	mg/L	0.50		80	120			A
Fluoride	2.11	mg/L	0.10	91	80	120			
Nitrogen, Nitrate as N	2.32	mg/L	0.10	93	80	120			
Nitrogen, Nitrite as N	2.45	mg/L	0.10	98	80	120			
Sulfate	36.8	mg/L	1.0	81	80	120			
Sample ID: R08070031-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080702A			07/02/08 23:15		
Chloride	24.5	mg/L	0.50		80	120	0.5	10	A
Fluoride	2.06	mg/L	0.10	89	80	120	2.4	10	
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	80	120	2.2	10	
Nitrogen, Nitrite as N	2.39	mg/L	0.10	96	80	120	2.5	10	
Sulfate	36.4	mg/L	1.0	79	80	120	0.9	10	S
Sample ID: R08070035-004AMS	Sample Matrix Spike			Run: DIONEX_080702A			07/03/08 02:32		
Chloride	105	mg/L	2.2	88	80	120			
Fluoride	35.9	mg/L	0.22	83	80	120			
Nitrogen, Nitrate as N	46.1	mg/L	0.50	92	80	120			
Nitrogen, Nitrite as N	48.9	mg/L	1.2	98	80	120			
Sulfate	715	mg/L	1.3	86	80	120			
Sample ID: R08070035-004AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080702A			07/03/08 02:49		
Chloride	103	mg/L	2.2	86	80	120	2.3	10	
Fluoride	35.3	mg/L	0.22	81	80	120	1.7	10	
Nitrogen, Nitrate as N	45.4	mg/L	0.50	91	80	120	1.6	10	
Nitrogen, Nitrite as N	48.0	mg/L	1.2	96	80	120	1.7	10	
Sulfate	713	mg/L	1.3	85	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/09/08
Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35848		
Sample ID: R08070041-001CMS	Sample Matrix Spike				Run: DIONEX_080702A		07/03/08 05:49		
Chloride	177	mg/L	0.50		80	120			A
Fluoride	2.74	mg/L	0.10	90	80	120			
Nitrogen, Nitrate as N	2.75	mg/L	0.10	90	80	120			
Nitrogen, Nitrite as N	2.83	mg/L	0.10	93	80	120			
Sulfate	660	mg/L	1.0		80	120			A
Sample ID: R08070041-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080702A		07/03/08 06:06		
Chloride	177	mg/L	0.50		80	120	0.4	10	A
Fluoride	2.68	mg/L	0.10	87	80	120	2.2	10	
Nitrogen, Nitrate as N	2.68	mg/L	0.10	88	80	120	2.6	10	
Nitrogen, Nitrite as N	2.76	mg/L	0.10	90	80	120	2.5	10	
Sulfate	661	mg/L	1.0		80	120	0.2	10	A
Method: E900.0							Batch: C_GrAB-0492		
Sample ID: MB-GrAB-0492	Method Blank				Run: SUB-C105435		08/02/08 23:41		
Gross Alpha	0.2	pCi/L							U
Gross Beta	3	pCi/L							
Sample ID: UNAT-GrAB-0492	Laboratory Control Sample				Run: SUB-C105435		08/02/08 23:41		
Gross Alpha	140	pCi/L		102	70	130			
Sample ID: Cs137-GrAB-0492	Laboratory Control Sample				Run: SUB-C105435		08/02/08 23:41		
Gross Beta	96	pCi/L		98	70	130			
Sample ID: C08070267-002AMS	Sample Matrix Spike				Run: SUB-C105435		08/02/08 23:41		
Gross Alpha	173	pCi/L		124	70	130			
Sample ID: C08070267-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105435		08/02/08 23:41		
Gross Alpha	172	pCi/L		123	70	130	0.5	15.6	
Sample ID: C08070267-002AMS	Sample Matrix Spike				Run: SUB-C105435		08/03/08 17:55		
Gross Beta	83.0	pCi/L		90	70	130			
Sample ID: C08070267-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105435		08/03/08 17:55		
Gross Beta	92.5	pCi/L		100	70	130	11	16.1	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1							Batch: C_R104840		
Sample ID: LCS-R104840	Laboratory Control Sample				Run: SUB-C104840		07/17/08 13:12		
Americium 241	230000	pCi/L	20	75	70	130			
Cesium 137	460000	pCi/L	20	106	70	130			
Cobalt 60	320000	pCi/L	20	101	70	130			
Sample ID: MB-R104840	Method Blank				Run: SUB-C104840		07/17/08 13:12		
Gross Gamma	ND	pCi/L							U
Sample ID: R08070035-007H	Sample Duplicate				Run: SUB-C104840		07/17/08 13:12		
Gross Gamma	1000	pCi/L	20				8.7	30	
Method: E903.0							Batch: C_19124		
Sample ID: C08070377-005AMS	Sample Matrix Spike				Run: SUB-C104725		07/23/08 14:56		
Radium 226	74.6	pCi/Filter		94	70	130			
Sample ID: C08070377-005AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104725		07/23/08 14:56		
Radium 226	70.5	pCi/Filter		90	70	130	5.7	22	
Sample ID: LCS-19124	Laboratory Control Sample				Run: SUB-C104725		07/23/08 14:56		
Radium 226	14	pCi/L		83	70	130			
Sample ID: MB-19124	Method Blank				Run: SUB-C104725		07/23/08 14:56		
Radium 226	0.2	pCi/L							U
Method: E903.0							Batch: C_RA226-2956		
Sample ID: C08070219-001AMS	Sample Matrix Spike				Run: SUB-C105579		08/06/08 21:37		
Radium 226	17	pCi/L		97	70	130			
Sample ID: C08070219-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105579		08/06/08 21:37		
Radium 226	20	pCi/L		118	70	130	18	25.2	
Sample ID: MB-RA226-2956	Method Blank				Run: SUB-C105579		08/06/08 23:12		
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2956	Laboratory Control Sample				Run: SUB-C105579		08/06/08 23:12		
Radium 226	8.2	pCi/L		105	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_19124		
Sample ID: C08070112-006AMS	Sample Matrix Spike				Run: SUB-C105076		07/28/08 20:10		
Thorium 230	177	pCi/Filter	0.20	106	70	130			
Sample ID: C08070112-006AMS2	Sample Matrix Spike				Run: SUB-C105076		07/29/08 09:57		
Thorium 230	87.3	pCi/Filter	0.20	94	70	130			
- Sample reported as a second spike, not an MSD, due to being spiked with a different amount of standard than the MS.									
Sample ID: LCS-19124	Laboratory Control Sample				Run: SUB-C105076		07/29/08 09:58		
Thorium 230	41.5	pCi/Filter	0.20	85	70	130			
Sample ID: MB-19124	Method Blank				Run: SUB-C105076		07/29/08 19:59		
Thorium 230	-0.1	pCi/Filter							U
Method: E907.0							Batch: C_RA-TH-ISO-0585		
Sample ID: LCS-RA-TH-ISO-0585	Laboratory Control Sample				Run: SUB-C105285		08/03/08 18:39		
Thorium 230	5.75	pCi/L	0.20	94	70	130			
Sample ID: R08070035-005H	Sample Matrix Spike				Run: SUB-C105285		08/04/08 00:44		
Thorium 230	14.5	pCi/L	0.20	88	70	130			
Sample ID: R08070035-005H	Sample Matrix Spike Duplicate				Run: SUB-C105285		08/04/08 00:44		
Thorium 230	17.2	pCi/L	0.20	105	70	130	17	30	
Sample ID: MB-RA-TH-ISO-0585	Method Blank				Run: SUB-C105285		08/04/08 00:44		
Thorium 230	0.05	pCi/L							U
Method: E909.0M							Batch: C_19124		
Sample ID: C08070112-003AMS	Sample Matrix Spike				Run: SUB-C105681		07/22/08 11:00		
Lead 210	2870	pCi/Filter		119	70	130			
Sample ID: C08070112-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105681		07/22/08 11:00		
Lead 210	2290	pCi/Filter		69	70	130	23	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: MB-R105681	Method Blank				Run: SUB-C105681		07/22/08 11:00		
Lead 210	2	pCi/L							U
Sample ID: LCS-R105681	Laboratory Control Sample				Run: SUB-C105681		07/22/08 11:00		
Lead 210	120	pCi/L		97	70	130			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/09/08

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M							Batch: C_R105847		
Sample ID: C08070547-001HMS	Sample Matrix Spike				Run: SUB-C105847		07/24/08 08:45		
Lead 210	560	pCi/L		91	70	130			
Sample ID: C08070547-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105847		07/24/08 08:45		
Lead 210	590	pCi/L		96	70	130	5.4	30	
Sample ID: MB-R105847	Method Blank				Run: SUB-C105847		07/24/08 08:45		
Lead 210	5	pCi/L							U
Sample ID: LCS-R105847	Laboratory Control Sample				Run: SUB-C105847		07/24/08 08:45		
Lead 210	130	pCi/L		106	70	130			
Method: RMO-3008							Batch: C_R104910		
Sample ID: R08070035-001H	Sample Matrix Spike				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	57	pCi/L	1.0	66	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair is acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: R08070035-001H	Sample Matrix Spike Duplicate				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	59	pCi/L	1.0	68	70	130	3.6	30	S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair is acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: LCS-R104910	Laboratory Control Sample				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	69	pCi/L	1.0	159	70	130			S
- LCS response is outside of the acceptance range for this analysis.									
Sample ID: MB-R104910	Method Blank				Run: SUB-C104910		07/14/08 17:45		
Polonium 210	ND	pCi/L							U
Method: RMO-3008							Batch: C_R106180		
Sample ID: R08070035-001I	Sample Matrix Spike				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	19	pCi/L	1.0	94	70	130			
Sample ID: R08070035-001I	Sample Matrix Spike Duplicate				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	23	pCi/L	1.0	114	70	130	19	30	
Sample ID: LCS-19031	Laboratory Control Sample				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	95	pCi/L	1.0	117	70	130			
Sample ID: MB-19031	Method Blank				Run: SUB-C106180		08/18/08 17:00		
Polonium 210	ND	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 09/09/08

Project: Edgemont

Work Order: R08070035

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A							Analytical Run: SUB-C104002		
Sample ID: QCS		Initial Calibration Verification Standard						07/09/08 07:00	
Mercury	0.0020	mg/L	0.0010	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESER		Project Name, PWS, Permit, Etc.: Powertek Denny Indus		Sample Origin State: SD		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address:		Contact Name: Cory Foreman		Phone/Fax:		Email: Cresper.com	
Invoice Address:		Invoice Contact & Phone:		Purchase Order:		Quote/Bottle Order:	
Special Report/Formats - EI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> GSA <input type="checkbox"/> Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> NELAC <input type="checkbox"/> State: <input type="checkbox"/> Other: <input type="checkbox"/>				Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other		ANALYSIS REQUESTED As per Quote	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	SEE ATTACHED Normal Turnaround (TAT)		
1 Dev Burd GW 693		7/1/08	19:39	W	RUSH Contact EI prior to RUSH sample submittal for charges and scheduling - See instruction Page Comments: All GW - Quant + over		
2 Dev Burd GW 691		7/1/08	19:17	W	Receipt Temp: 7.8 °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No		
3 Dev Burd GW 49		7/1/08	18:26	W	Custody Seal Y N Induct Y N Signature Y N		
4 Dev Burd GW 687		7/1/08	18:02	W	Set 3 Set 4 Set 5 Set 6 Set 7 Set 8 Set 9 Set 10 Set 11 Set 12 Set 13 Set 14 Set 15 Set 16 Set 17 Set 18 Set 19 Set 20 Set 21 Set 22 Set 23 Set 24 Set 25 Set 26 Set 27 Set 28 Set 29 Set 30 Set 31 Set 32 Set 33 Set 34 Set 35 Set 36 Set 37 Set 38 Set 39 Set 40 Set 41 Set 42 Set 43 Set 44 Set 45 Set 46 Set 47 Set 48 Set 49 Set 50 Set 51 Set 52 Set 53 Set 54 Set 55 Set 56 Set 57 Set 58 Set 59 Set 60 Set 61 Set 62 Set 63 Set 64 Set 65 Set 66 Set 67 Set 68 Set 69 Set 70 Set 71 Set 72 Set 73 Set 74 Set 75 Set 76 Set 77 Set 78 Set 79 Set 80 Set 81 Set 82 Set 83 Set 84 Set 85 Set 86 Set 87 Set 88 Set 89 Set 90 Set 91 Set 92 Set 93 Set 94 Set 95 Set 96 Set 97 Set 98 Set 99 Set 100		
5 Dev Burd GW 681		7/1/08	16:54	W	Set 1 Set 2 Set 3 Set 4 Set 5 Set 6 Set 7 Set 8 Set 9 Set 10 Set 11 Set 12 Set 13 Set 14 Set 15 Set 16 Set 17 Set 18 Set 19 Set 20 Set 21 Set 22 Set 23 Set 24 Set 25 Set 26 Set 27 Set 28 Set 29 Set 30 Set 31 Set 32 Set 33 Set 34 Set 35 Set 36 Set 37 Set 38 Set 39 Set 40 Set 41 Set 42 Set 43 Set 44 Set 45 Set 46 Set 47 Set 48 Set 49 Set 50 Set 51 Set 52 Set 53 Set 54 Set 55 Set 56 Set 57 Set 58 Set 59 Set 60 Set 61 Set 62 Set 63 Set 64 Set 65 Set 66 Set 67 Set 68 Set 69 Set 70 Set 71 Set 72 Set 73 Set 74 Set 75 Set 76 Set 77 Set 78 Set 79 Set 80 Set 81 Set 82 Set 83 Set 84 Set 85 Set 86 Set 87 Set 88 Set 89 Set 90 Set 91 Set 92 Set 93 Set 94 Set 95 Set 96 Set 97 Set 98 Set 99 Set 100		
6 Dev Burd GW 689		7/1/08	16:17	W	Set 1 Set 2 Set 3 Set 4 Set 5 Set 6 Set 7 Set 8 Set 9 Set 10 Set 11 Set 12 Set 13 Set 14 Set 15 Set 16 Set 17 Set 18 Set 19 Set 20 Set 21 Set 22 Set 23 Set 24 Set 25 Set 26 Set 27 Set 28 Set 29 Set 30 Set 31 Set 32 Set 33 Set 34 Set 35 Set 36 Set 37 Set 38 Set 39 Set 40 Set 41 Set 42 Set 43 Set 44 Set 45 Set 46 Set 47 Set 48 Set 49 Set 50 Set 51 Set 52 Set 53 Set 54 Set 55 Set 56 Set 57 Set 58 Set 59 Set 60 Set 61 Set 62 Set 63 Set 64 Set 65 Set 66 Set 67 Set 68 Set 69 Set 70 Set 71 Set 72 Set 73 Set 74 Set 75 Set 76 Set 77 Set 78 Set 79 Set 80 Set 81 Set 82 Set 83 Set 84 Set 85 Set 86 Set 87 Set 88 Set 89 Set 90 Set 91 Set 92 Set 93 Set 94 Set 95 Set 96 Set 97 Set 98 Set 99 Set 100		
7 Dev Burd GW 685		7/1/08	15:48	W	Set 1 Set 2 Set 3 Set 4 Set 5 Set 6 Set 7 Set 8 Set 9 Set 10 Set 11 Set 12 Set 13 Set 14 Set 15 Set 16 Set 17 Set 18 Set 19 Set 20 Set 21 Set 22 Set 23 Set 24 Set 25 Set 26 Set 27 Set 28 Set 29 Set 30 Set 31 Set 32 Set 33 Set 34 Set 35 Set 36 Set 37 Set 38 Set 39 Set 40 Set 41 Set 42 Set 43 Set 44 Set 45 Set 46 Set 47 Set 48 Set 49 Set 50 Set 51 Set 52 Set 53 Set 54 Set 55 Set 56 Set 57 Set 58 Set 59 Set 60 Set 61 Set 62 Set 63 Set 64 Set 65 Set 66 Set 67 Set 68 Set 69 Set 70 Set 71 Set 72 Set 73 Set 74 Set 75 Set 76 Set 77 Set 78 Set 79 Set 80 Set 81 Set 82 Set 83 Set 84 Set 85 Set 86 Set 87 Set 88 Set 89 Set 90 Set 91 Set 92 Set 93 Set 94 Set 95 Set 96 Set 97 Set 98 Set 99 Set 100		
8 Dev Burd GW 685		7/1/08	15:48	W	Set 1 Set 2 Set 3 Set 4 Set 5 Set 6 Set 7 Set 8 Set 9 Set 10 Set 11 Set 12 Set 13 Set 14 Set 15 Set 16 Set 17 Set 18 Set 19 Set 20 Set 21 Set 22 Set 23 Set 24 Set 25 Set 26 Set 27 Set 28 Set 29 Set 30 Set 31 Set 32 Set 33 Set 34 Set 35 Set 36 Set 37 Set 38 Set 39 Set 40 Set 41 Set 42 Set 43 Set 44 Set 45 Set 46 Set 47 Set 48 Set 49 Set 50 Set 51 Set 52 Set 53 Set 54 Set 55 Set 56 Set 57 Set 58 Set 59 Set 60 Set 61 Set 62 Set 63 Set 64 Set 65 Set 66 Set 67 Set 68 Set 69 Set 70 Set 71 Set 72 Set 73 Set 74 Set 75 Set 76 Set 77 Set 78 Set 79 Set 80 Set 81 Set 82 Set 83 Set 84 Set 85 Set 86 Set 87 Set 88 Set 89 Set 90 Set 91 Set 92 Set 93 Set 94 Set 95 Set 96 Set 97 Set 98 Set 99 Set 100		
9							
10							
Custody Record MUST be Signed		Relinquished By (print): Eric Kratz	Date/Time: 7/1/08 09:00	Signature: [Signature]	Received By (print): Steve Frisland	Date/Time: 7-2-08 9:00	Signature: [Signature]
Sample Disposal:		Return to Client:	Lab Disposal:	Received by Laboratory:	Date/Time:	Signature:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable free schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

September 12, 2008

Cory Foreman

RESPEC Inc

3824 Jet Dr

Rapid City, SD 57701-

Workorder No.: R08070115

Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 7/8/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070115-001	DewBurd GW692	07/07/08 13:39	07/08/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08070115-002	DewBurd GW680	07/07/08 13:29	07/08/08	Aqueous	Same As Above
R08070115-003	DewBurd GW682	07/07/08 15:22	07/08/08	Aqueous	Same As Above
R08070115-004	DewBurd GW684	07/07/08 17:22	07/08/08	Aqueous	Same As Above
R08070115-005	DewBurd GW690	07/07/08 18:10	07/08/08	Aqueous	Same As Above
R08070115-006	DewBurd GW688	07/07/08 18:49	07/08/08	Aqueous	Same As Above
R08070115-007	DewBurd GW686	07/07/08 19:03	07/08/08	Aqueous	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.



CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070115

Date: 12-Sep-08

CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 7/8/2008 9:50:00 AM. These samples were assigned ELI Workorder Number R08070115.

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.

- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08070547

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

End of comments imported for SUBBED Workorder: C08070547



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-001
Client Sample ID: DewBurd GW692

Report Date: 09/12/08
Collection Date: 07/07/08 13:39
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	186	mg/L		5		1	A2320 B	07/15/08 14:24/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 14:24/mb
Bicarbonate as HCO3	227	mg/L		5		1	A2320 B	07/15/08 14:24/mb
Calcium	131	mg/L		0.5		2	E200.7	07/24/08 17:27/eli-c
Chloride	8	mg/L		1		1	E300.0	07/08/08 19:58/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/08/08 19:58/jmh
Magnesium	46.5	mg/L		0.5		2	E200.7	07/24/08 17:27/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:31/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/08/08 19:58/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 19:58/jmh
Potassium	14.7	mg/L		0.5		2	E200.7	07/24/08 17:27/eli-c
Silica	4.8	mg/L		0.5		2	E200.7	07/24/08 17:27/eli-c
Sodium	105	mg/L	D	2		2	E200.7	07/24/08 17:27/eli-c
Sulfate	483	mg/L	D	3		50	E300.0	07/08/08 19:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1260	umhos/cm		5.0		1	A2510 B	07/10/08 09:46/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	07/11/08 00:00/kh
pH	7.60	s.u.		0.01		1	A4500-H B	07/10/08 11:03/tb
Sodium Adsorption Ratio (SAR)	2.0	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	07/11/08 13:20/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/24/08 08:09/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/24/08 08:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/24/08 08:09/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/24/08 17:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/24/08 08:09/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/24/08 08:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/24/08 08:09/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/24/08 17:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/24/08 08:09/eli-c
Manganese	0.14	mg/L		0.01		1	E200.8	07/24/08 08:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/24/08 08:09/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/24/08 08:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/24/08 08:09/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	08/05/08 16:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 18:02/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/24/08 08:09/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-001
Client Sample ID: DewBurd GW692

Report Date: 09/12/08
Collection Date: 07/07/08 13:39
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Uranium	0.0135	mg/L		0.0003		1	E200.8	07/24/08 08:09/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/24/08 08:09/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/24/08 08:09/eli-c
METALS - SUSPENDED								
Uranium	0.0067	mg/L		0.0003		1	E200.8	07/27/08 03:29/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 14:51/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1450	pCi/L				1	E900.0	08/09/08 00:01/eli-c
Gross Alpha precision (±)	26.0	pCi/L				1	E900.0	08/09/08 00:01/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	08/09/08 00:01/eli-c
Gross Beta	447	pCi/L				1	E900.0	08/09/08 00:01/eli-c
Gross Beta precision (±)	7.3	pCi/L				1	E900.0	08/09/08 00:01/eli-c
Gross Beta MDC	4.5	pCi/L				1	E900.0	08/09/08 00:01/eli-c
Lead 210	22.5	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	3.5	pCi/L		1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	2.1	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	484	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	4.2	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/10/08 16:43/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/10/08 16:43/eli-c
Gross Gamma	2400	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	260	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	125	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	12	pCi/L		1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	3.4	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	96.1	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	3.5	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-001
Client Sample ID: DewBurd GW692

Report Date: 09/12/08
Collection Date: 07/07/08 13:39
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	2.6	pCi/L		0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.7	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	590000	pCi/L		100		1	D5072-92	07/12/08 12:07/eli-c
Radon 222 precision (±)	920	pCi/L				1	D5072-92	07/12/08 12:07/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 01:00/eli-c
Arsenic	0.005	mg/L		0.001		1	E200.8	07/29/08 01:00/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 17:35/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 01:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 17:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 01:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 17:35/eli-c
Copper	0.01	mg/L		0.01		2	E200.7	07/21/08 17:35/eli-c
Iron	7.24	mg/L		0.03		2	E200.7	07/21/08 17:35/eli-c
Lead	0.006	mg/L		0.001		1	E200.8	07/29/08 01:00/eli-c
Manganese	0.24	mg/L		0.01		2	E200.7	07/21/08 17:35/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 16:42/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:11/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 17:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 17:35/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	07/29/08 01:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 01:00/eli-c
Strontium	3.2	mg/L		0.1		2	E200.7	07/21/08 17:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 01:00/eli-c
Uranium	0.0202	mg/L		0.0003		1	E200.8	07/29/08 01:00/eli-c
Zinc	0.03	mg/L		0.01		2	E200.7	07/21/08 17:35/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.52	%				1	A1030 E	09/11/08 00:00/jmh
Anions	14.0	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	15.4	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	914	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-002
Client Sample ID: DewBurd GW680

Report Date: 09/12/08
Collection Date: 07/07/08 13:29
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	248	mg/L		5		1	A2320 B	07/15/08 14:28/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 14:28/mb
Bicarbonate as HCO3	302	mg/L		5		1	A2320 B	07/15/08 14:28/mb
Calcium	404	mg/L		0.5		2	E200.7	07/24/08 17:35/eli-c
Chloride	12	mg/L		1		1	E300.0	07/08/08 20:31/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/08/08 20:31/jmh
Magnesium	126	mg/L		0.5		2	E200.7	07/24/08 17:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:32/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/08/08 20:31/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 20:31/jmh
Potassium	19.4	mg/L		0.5		2	E200.7	07/24/08 17:35/eli-c
Silica	4.3	mg/L		0.5		2	E200.7	07/24/08 17:35/eli-c
Sodium	131	mg/L	D	2		2	E200.7	07/24/08 17:35/eli-c
Sulfate	1260	mg/L	D	3		50	E300.0	07/08/08 20:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2490	umhos/cm		5.0		1	A2510 B	07/10/08 09:48/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	07/11/08 00:00/kh
pH	7.27	s.u.		0.01		1	A4500-H B	07/10/08 11:04/tb
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	07/11/08 13:21/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/24/08 17:35/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/26/08 04:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 04:43/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/24/08 17:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 04:43/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/24/08 17:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 04:43/eli-c
Iron	0.20	mg/L		0.03		2	E200.7	07/24/08 17:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 04:43/eli-c
Manganese	0.44	mg/L		0.01		1	E200.8	07/26/08 04:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 04:43/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 04:43/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/24/08 17:35/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	08/05/08 17:00/eli-c
Silver	ND	mg/L	D	0.01		2	E200.7	07/24/08 17:35/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 04:43/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-002
Client Sample ID: DewBurd GW680

Report Date: 09/12/08
Collection Date: 07/07/08 13:29
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Uranium	0.0186	mg/L		0.0003		1	E200.8	07/26/08 04:43/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/24/08 17:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/26/08 04:43/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 03:33/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 14:57/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4280	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha precision (±)	68.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha MDC	8.8	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta	1090	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta precision (±)	16.0	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta MDC	9.2	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Lead 210	26.5	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	5.1	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.97	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	1280	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	6.7	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/08/08 11:01/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/08/08 11:01/eli-c
Gross Gamma	2300	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	270	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.2	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.8	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	5.0	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-002
Client Sample ID: DewBurd GW680

Report Date: 09/12/08
Collection Date: 07/07/08 13:29
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	72000	pCi/L		100		1	D5072-92	07/12/08 13:49/eli-c
Radon 222 precision (±)	325	pCi/L				1	D5072-92	07/12/08 13:49/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 01:07/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	07/29/08 01:07/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 17:43/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 01:07/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 17:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 01:07/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 17:43/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/21/08 17:43/eli-c
Iron	0.31	mg/L		0.03		2	E200.7	07/21/08 17:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/29/08 01:07/eli-c
Manganese	0.47	mg/L		0.01		2	E200.7	07/21/08 17:43/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 16:57/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:18/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 17:43/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 17:43/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	07/29/08 01:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 01:07/eli-c
Strontium	7.6	mg/L		0.1		2	E200.7	07/21/08 17:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 01:07/eli-c
Uranium	0.0208	mg/L		0.0003		1	E200.8	07/29/08 01:07/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 17:43/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.57	%				1	A1030 E	09/11/08 00:00/jmh
Anions	31.6	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	36.8	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	2120	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.10					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-003
Client Sample ID: DewBurd GW682

Report Date: 09/12/08
Collection Date: 07/07/08 15:22
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	242	mg/L		5		1	A2320 B	07/15/08 14:31/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 14:31/mb
Bicarbonate as HCO3	295	mg/L		5		1	A2320 B	07/15/08 14:31/mb
Calcium	365	mg/L		0.5		1	E200.7	07/22/08 15:38/eli-c
Chloride	12	mg/L		1		1	E300.0	07/08/08 21:04/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/08/08 21:04/jmh
Magnesium	109	mg/L		0.5		1	E200.7	07/22/08 15:38/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:33/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/08/08 21:04/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 21:04/jmh
Potassium	22.9	mg/L		0.5		1	E200.7	07/22/08 15:38/eli-c
Silica	2.1	mg/L		0.5		1	E200.7	07/22/08 15:38/eli-c
Sodium	113	mg/L		0.5		1	E200.7	07/22/08 15:38/eli-c
Sulfate	1170	mg/L	D	3		50	E300.0	07/08/08 20:47/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2360	umhos/cm		5.0		1	A2510 B	07/10/08 09:49/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	07/11/08 00:00/kh
pH	7.30	s.u.		0.01		1	A4500-H B	07/10/08 11:05/tb
Sodium Adsorption Ratio (SAR)	1.3	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		5		1	A2540 C	07/11/08 13:21/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	07/22/08 15:38/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/26/08 04:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 04:49/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	07/22/08 15:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 04:49/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 04:49/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 04:49/eli-c
Iron	ND	mg/L		0.03		1	E200.8	07/26/08 04:49/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 04:49/eli-c
Manganese	0.51	mg/L		0.01		1	E200.8	07/26/08 04:49/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 04:49/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 04:49/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 04:49/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/05/08 17:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 18:43/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 04:49/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-003
Client Sample ID: DewBurd GW682

Report Date: 09/12/08
Collection Date: 07/07/08 15:22
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0198	mg/L		0.0003		1	E200.8	07/26/08 04:49/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 04:49/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/26/08 04:49/eli-c
METALS - SUSPENDED								
Uranium	0.0004	mg/L		0.0003		1	E200.8	07/27/08 03:37/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 14:59/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	50.3	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Alpha precision (±)	7.6	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Alpha MDC	7.0	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Beta	14.0	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Beta precision (±)	6.8	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Beta MDC	11.0	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Lead 210	2.4	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	3.4	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/08/08 11:01/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/08/08 11:01/eli-c
Gross Gamma	790	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	150	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-9.2	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.6	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.61	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.7	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-003
Client Sample ID: DewBurd GW682

Report Date: 09/12/08
Collection Date: 07/07/08 15:22
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.3	pCi/L		0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1380	pCi/L		100		1	D5072-92	07/12/08 14:40/eli-c
Radon 222 precision (±)	65.5	pCi/L				1	D5072-92	07/12/08 14:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 01:14/eli-c
Arsenic	0.010	mg/L		0.001		1	E200.8	07/29/08 01:14/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 17:47/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 01:14/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 17:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 01:14/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 17:47/eli-c
Copper	0.01	mg/L		0.01		2	E200.7	07/21/08 17:47/eli-c
Iron	1.15	mg/L		0.03		2	E200.7	07/21/08 17:47/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	07/29/08 01:14/eli-c
Manganese	0.55	mg/L		0.01		2	E200.7	07/21/08 17:47/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 17:04/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:20/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 17:47/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 17:47/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	07/29/08 01:14/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 01:14/eli-c
Strontium	6.6	mg/L		0.1		2	E200.7	07/21/08 17:47/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 01:14/eli-c
Uranium	0.0227	mg/L		0.0003		1	E200.8	07/29/08 01:14/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/21/08 17:47/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.13	%				1	A1030 E	09/11/08 00:00/jmh
Anions	29.5	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	32.7	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	1940	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-004
Client Sample ID: DewBurd GW684

Report Date: 09/12/08
Collection Date: 07/07/08 17:22
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	274	mg/L		5		1	A2320 B	07/15/08 14:53/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 14:53/mb
Bicarbonate as HCO3	334	mg/L		5		1	A2320 B	07/15/08 14:53/mb
Calcium	375	mg/L		0.5		1	E200.7	07/22/08 15:42/eli-c
Chloride	11	mg/L		1		1	E300.0	07/08/08 22:09/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/08/08 22:09/jmh
Magnesium	119	mg/L		0.5		1	E200.7	07/22/08 15:42/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:34/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/08/08 22:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 22:09/jmh
Potassium	24.5	mg/L		0.5		1	E200.7	07/22/08 15:42/eli-c
Silica	2.7	mg/L		0.5		1	E200.7	07/22/08 15:42/eli-c
Sodium	127	mg/L		0.5		1	E200.7	07/22/08 15:42/eli-c
Sulfate	1280	mg/L	D	3		50	E300.0	07/08/08 21:20/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2510	umhos/cm		5.0		1	A2510 B	07/10/08 09:52/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	07/11/08 00:00/kh
pH	7.43	s.u.		0.01		1	A4500-H B	07/10/08 11:07/tb
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	07/11/08 13:22/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	07/22/08 15:42/eli-c
Arsenic	0.030	mg/L		0.001		1	E200.8	07/26/08 04:56/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 04:56/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	07/22/08 15:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 04:56/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 04:56/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 04:56/eli-c
Iron	0.47	mg/L		0.03		1	E200.7	07/22/08 15:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 04:56/eli-c
Manganese	0.54	mg/L		0.01		1	E200.8	07/26/08 04:56/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 04:56/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 04:56/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 04:56/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/05/08 17:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 18:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 04:56/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-004
Client Sample ID: DewBurd GW684

Report Date: 09/12/08
Collection Date: 07/07/08 17:22
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0667	mg/L		0.0003		1	E200.8	07/26/08 04:56/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 04:56/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/26/08 04:56/eli-c
METALS - SUSPENDED								
Uranium	0.177	mg/L		0.0003		1	E200.8	07/27/08 03:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 15:01/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1890	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha precision (±)	45.6	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha MDC	8.8	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta	556	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta precision (±)	12.0	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta MDC	9.2	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Lead 210	29.0	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	5.1	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	5.1	pCi/L		1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	2.0	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	543	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	4.2	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.8	pCi/L		0.2		1	E907.0	08/10/08 16:44/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	08/10/08 16:44/eli-c
Gross Gamma	1800	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	240	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	94.6	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	14.1	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	56	pCi/L		1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	13	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	44.1	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	2.5	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-004
Client Sample ID: DewBurd GW684

Report Date: 09/12/08
Collection Date: 07/07/08 17:22
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	65.9	pCi/L		0.2		1	E907.0	08/06/08 15:14/eli-c
Thorium 230 precision (±)	10	pCi/L				1	E907.0	08/06/08 15:14/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	234000	pCi/L		100		1	D5072-92	07/12/08 15:31/eli-c
Radon 222 precision (±)	572	pCi/L				1	D5072-92	07/12/08 15:31/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 01:21/eli-c
Arsenic	0.040	mg/L		0.001		1	E200.8	07/29/08 01:21/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 17:51/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 01:21/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/21/08 17:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 01:21/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 17:51/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/21/08 17:51/eli-c
Iron	1.68	mg/L		0.03		2	E200.7	07/21/08 17:51/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	07/29/08 01:21/eli-c
Manganese	0.63	mg/L		0.01		2	E200.7	07/21/08 17:51/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 17:07/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:23/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 17:51/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 17:51/eli-c
Selenium	0.005	mg/L		0.001		1	E200.8	07/29/08 01:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 01:21/eli-c
Strontium	7.6	mg/L		0.1		2	E200.7	07/21/08 17:51/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 01:21/eli-c
Uranium	0.336	mg/L		0.0003		1	E200.8	07/29/08 01:21/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 17:51/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.15	%				1	A1030 E	09/11/08 00:00/jmh
Anions	32.6	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	34.7	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	2110	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-005
Client Sample ID: DewBurd GW690

Report Date: 09/12/08
Collection Date: 07/07/08 18:10
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	38	mg/L		5		1	A2320 B	07/15/08 14:55/mb
Carbonate as CO3	7	mg/L		5		1	A2320 B	07/15/08 14:55/mb
Bicarbonate as HCO3	32	mg/L		5		1	A2320 B	07/15/08 14:55/mb
Calcium	42.1	mg/L		0.5		1	E200.7	07/22/08 15:55/eli-c
Chloride	30	mg/L		1		5	E300.0	07/12/08 00:49/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/08/08 23:15/jmh
Magnesium	25.4	mg/L		0.5		1	E200.7	07/22/08 15:55/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:38/jmh
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	07/08/08 23:15/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 23:15/jmh
Potassium	14.0	mg/L		0.5		1	E200.7	07/22/08 15:55/eli-c
Silica	ND	mg/L		0.5		1	E200.7	07/22/08 15:55/eli-c
Sodium	342	mg/L		0.5		1	E200.7	07/22/08 15:55/eli-c
Sulfate	807	mg/L	D	3		50	E300.0	07/08/08 22:26/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2000	umhos/cm		5.0		1	A2510 B	07/10/08 09:52/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/11/08 00:00/kh
pH	9.27	s.u.		0.01		1	A4500-H B	07/10/08 11:07/tb
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	1400	mg/L		5		1	A2540 C	07/11/08 14:28/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/24/08 08:16/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/24/08 08:16/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/24/08 08:16/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	07/22/08 15:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/24/08 08:16/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/24/08 08:16/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/24/08 08:16/eli-c
Iron	ND	mg/L		0.03		1	E200.7	07/22/08 15:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/24/08 08:16/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	07/24/08 08:16/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/24/08 08:16/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/24/08 08:16/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/24/08 08:16/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/05/08 17:06/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 18:56/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/24/08 08:16/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-005
Client Sample ID: DewBurd GW690

Report Date: 09/12/08
Collection Date: 07/07/08 18:10
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 08:16/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/24/08 08:16/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/24/08 08:16/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 03:45/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 15:03/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.8	pCi/L	U			1	E900.0	08/09/08 12:18/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha MDC	5.4	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta	6.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta MDC	5.5	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Lead 210	1.8	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/08/08 11:01/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/08/08 11:01/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	210	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-5.7	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-005
Client Sample ID: DewBurd GW690

Report Date: 09/12/08
Collection Date: 07/07/08 18:10
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	194	pCi/L		100		1	D5072-92	07/12/08 16:22/eli-c
Radon 222 precision (±)	50.0	pCi/L				1	D5072-92	07/12/08 16:22/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 03:03/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/29/08 03:03/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 18:07/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 03:03/eli-c
Boron	0.7	mg/L		0.1		2	E200.7	07/21/08 18:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 03:03/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 18:07/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/21/08 18:07/eli-c
Iron	1.48	mg/L		0.03		2	E200.7	07/21/08 18:07/eli-c
Lead	0.019	mg/L		0.001		1	E200.8	07/29/08 03:03/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	07/21/08 18:07/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 17:09/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:25/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 18:07/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 18:07/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	07/29/08 03:03/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/31/08 16:39/eli-c
Strontium	2.6	mg/L		0.1		2	E200.7	07/21/08 18:07/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 03:03/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/29/08 03:03/eli-c
Zinc	0.20	mg/L		0.01		2	E200.7	07/21/08 18:07/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.66	%				1	A1030 E	09/11/08 00:00/jmh
Anions	18.4	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	19.4	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	1280	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-006
Client Sample ID: DewBurd GW688

Report Date: 09/12/08
Collection Date: 07/07/08 18:49
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	07/15/08 14:58/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 14:58/mb
Bicarbonate as HCO3	190	mg/L		5		1	A2320 B	07/15/08 14:58/mb
Calcium	49.3	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Chloride	11	mg/L		1		1	E300.0	07/08/08 23:48/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/08/08 23:48/jmh
Magnesium	20.0	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:54/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/08/08 23:48/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 23:48/jmh
Potassium	15.6	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Silica	1.9	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Sodium	177	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Sulfate	413	mg/L	D	3		50	E300.0	07/08/08 23:32/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1170	umhos/cm		5.0		1	A2510 B	07/10/08 09:53/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	07/11/08 00:00/kh
pH	8.33	s.u.		0.01		1	A4500-H B	07/10/08 11:08/tb
Sodium Adsorption Ratio (SAR)	5.4	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	780	mg/L		5		1	A2540 C	07/11/08 14:29/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	07/22/08 16:03/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/26/08 05:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 05:08/eli-c
Boron	ND	mg/L		0.1		1	E200.7	07/22/08 16:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 05:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 05:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 05:08/eli-c
Iron	0.03	mg/L		0.03		1	E200.8	07/26/08 05:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 05:08/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	07/26/08 05:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 05:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 05:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 05:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/05/08 17:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 19:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 05:08/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-006
Client Sample ID: DewBurd GW688

Report Date: 09/12/08
Collection Date: 07/07/08 18:49
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/26/08 05:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 05:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/26/08 05:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 03:49/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 15:05/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	29.8	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha precision (±)	4.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha MDC	3.4	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta	14.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Lead 210	-0.4	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	6.7	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/08/08 11:01/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	08/08/08 11:01/eli-c
Gross Gamma	990	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-6	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-006
Client Sample ID: DewBurd GW688

Report Date: 09/12/08
Collection Date: 07/07/08 18:49
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	227	pCi/L		100		1	D5072-92	07/12/08 17:13/eli-c
Radon 222 precision (±)	50.3	pCi/L				1	D5072-92	07/12/08 17:13/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 03:09/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 03:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 18:11/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/21/08 18:11/eli-c
Iron	0.18	mg/L		0.03		2	E200.7	07/21/08 18:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	07/21/08 18:11/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 17:11/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:27/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 18:11/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/31/08 16:46/eli-c
Strontium	1.4	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/29/08 03:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 18:11/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.430	%				1	A1030 E	09/11/08 00:00/jmh
Anions	12.1	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	12.2	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	788	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-007
Client Sample ID: DewBurd GW686

Report Date: 09/12/08
Collection Date: 07/07/08 19:03
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	42	mg/L		5		1	A2320 B	07/15/08 15:01/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 15:01/mb
Bicarbonate as HCO3	51	mg/L		5		1	A2320 B	07/15/08 15:01/mb
Calcium	150	mg/L		0.5		1	E200.7	07/22/08 16:08/eli-c
Chloride	13	mg/L		1		1	E300.0	07/09/08 00:21/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	07/09/08 00:21/jmh
Magnesium	49.5	mg/L		0.5		1	E200.7	07/22/08 16:08/eli-c
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	07/14/08 14:55/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/09/08 00:21/jmh
Nitrogen, Nitrite as N	0.1	mg/L		0.1		1	E300.0	07/09/08 00:21/jmh
Potassium	27.7	mg/L		0.5		1	E200.7	07/22/08 16:08/eli-c
Silica	1.7	mg/L		0.5		1	E200.7	07/22/08 16:08/eli-c
Sodium	176	mg/L		0.5		1	E200.7	07/22/08 16:08/eli-c
Sulfate	812	mg/L	D	3		50	E300.0	07/09/08 00:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1720	umhos/cm		5.0		1	A2510 B	07/10/08 09:54/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	07/11/08 00:00/kh
pH	8.68	s.u.		0.01		1	A4500-H B	07/10/08 11:09/tb
Sodium Adsorption Ratio (SAR)	3.2	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		5		1	A2540 C	07/14/08 14:54/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	07/22/08 16:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/26/08 05:15/eli-c
Barium	ND	mg/L		0.1		1	E200.7	07/22/08 16:08/eli-c
Boron	ND	mg/L		0.1		1	E200.7	07/22/08 16:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 19:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/29/08 19:10/eli-c
Copper	ND	mg/L		0.01		1	E200.7	07/22/08 16:08/eli-c
Iron	ND	mg/L		0.03		1	E200.7	07/22/08 16:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 05:15/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	07/29/08 19:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 05:15/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	07/22/08 16:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/29/08 19:10/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	08/05/08 17:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 19:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 05:15/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-007
Client Sample ID: DewBurd GW686

Report Date: 09/12/08
Collection Date: 07/07/08 19:03
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Uranium	0.0012	mg/L		0.0003		1	E200.8	07/26/08 05:15/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/29/08 19:10/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/29/08 19:10/eli-c
METALS - SUSPENDED								
Uranium	0.0004	mg/L		0.0003		1	E200.8	07/27/08 03:53/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 15:15/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	11.3	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Alpha precision (±)	3.4	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Alpha MDC	4.2	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Beta	16.4	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Gross Beta MDC	5.6	pCi/L				1	E900.0	08/30/08 22:33/eli-c
Lead 210	6.1	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.52	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	3.3	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/08/08 11:01/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/08/08 11:01/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.3	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.37	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-007
Client Sample ID: DewBurd GW686

Report Date: 09/12/08
Collection Date: 07/07/08 19:03
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	467	pCi/L		100		1	D5072-92	07/12/08 18:03/eli-c
Radon 222 precision (±)	53.4	pCi/L				1	D5072-92	07/12/08 18:03/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 03:16/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/29/08 03:16/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 18:15/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 03:16/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 18:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 03:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 18:15/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/21/08 18:15/eli-c
Iron	0.07	mg/L		0.03		2	E200.7	07/21/08 18:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/29/08 03:16/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	07/21/08 18:15/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 17:14/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:30/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 18:15/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 18:15/eli-c
Selenium	0.008	mg/L		0.001		1	E200.8	07/29/08 03:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/31/08 17:20/eli-c
Strontium	4.4	mg/L		0.1		2	E200.7	07/21/08 18:15/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 03:16/eli-c
Uranium	0.0072	mg/L		0.0003		1	E200.8	07/29/08 03:16/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 18:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.80	%				1	A1030 E	09/11/08 00:00/jmh
Anions	18.1	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	20.0	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	1260	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B			Batch: 080715A-ALK-SEL-W						
Sample ID: LCS1_080715A	Laboratory Control Sample					Run: PH_COND1-R_080715A			07/15/08 14:16
Alkalinity, Total as CaCO ₃	952	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080715A	Method Blank					Run: PH_COND1-R_080715A			07/15/08 14:17
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08070130-003AMS	Sample Matrix Spike					Run: PH_COND1-R_080715A			07/15/08 15:23
Alkalinity, Total as CaCO ₃	218	mg/L	5.0	96	80	120			
Sample ID: R08070130-003AMSD	Sample Matrix Spike Duplicate					Run: PH_COND1-R_080715A			07/15/08 15:26
Alkalinity, Total as CaCO ₃	218	mg/L	5.0	96	80	120	0	10	
Method: A2510 B			Batch: 080710_1_COND-PROBE-W						
Sample ID: LCS_COND-1_080710	Laboratory Control Sample					Run: PH_COND2-R_080710A			07/10/08 09:29
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: LCS1-1_080710	Laboratory Control Sample					Run: PH_COND2-R_080710A			07/10/08 09:29
Conductivity @ 25 C	157	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_080710	Laboratory Control Sample					Run: PH_COND2-R_080710A			07/10/08 09:31
Conductivity @ 25 C	5060	umhos/cm	5.0	101	90	110			
Sample ID: MBLK-1_080710	Method Blank					Run: PH_COND2-R_080710A			07/10/08 09:40
Conductivity @ 25 C	5	umhos/cm	5						
Sample ID: R08070115-007ADUP	Sample Duplicate					Run: PH_COND2-R_080710A			07/10/08 09:55
Conductivity @ 25 C	1750	umhos/cm	5.0				1.7	10	
Method: A2540 C			Batch: 080710A-SLDS-TDS-W						
Sample ID: LCS1_080710A	Laboratory Control Sample					Run: BAL-4-R_080710B			07/11/08 13:11
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080710A	Method Blank					Run: BAL-4-R_080710B			07/11/08 13:12
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08070104-010AMS	Sample Matrix Spike					Run: BAL-4-R_080710B			07/11/08 13:19
Solids, Total Dissolved TDS @ 180 C	380	mg/L	5.0	99	80	120			
Sample ID: R08070104-010AMSD	Sample Matrix Spike Duplicate					Run: BAL-4-R_080710B			07/11/08 13:19
Solids, Total Dissolved TDS @ 180 C	380	mg/L	5.0	99	80	120	0	10	
Sample ID: R08070130-003AMS	Sample Matrix Spike					Run: BAL-4-R_080710B			07/14/08 14:57
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	108	80	120			
Sample ID: R08070130-003AMSD	Sample Matrix Spike Duplicate					Run: BAL-4-R_080710B			07/14/08 14:57
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	107	80	120	0.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B							Batch: 080711-ORP-ISE-W		
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080711A		07/11/08 00:00		
Oxidation-Reduction Potential	470	mV		99	95	105			
Sample ID: R08070115-007F	Sample Duplicate				Run: PH_COND1-R_080711A		07/11/08 00:00		
Oxidation-Reduction Potential	200	mV					2	10	
Method: A3114 B							Batch: C_SE3114-080805B		
Sample ID: MBLK	Method Blank				Run: SUB-C105358		08/05/08 14:47		
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: SUB-C105358		08/05/08 14:49		
Selenium-IV	0.050	mg/L	0.0010	99	90	110			
Sample ID: R08070115-001E	Sample Matrix Spike				Run: SUB-C105358		08/05/08 14:53		
Selenium-IV	0.052	mg/L	0.0010	103	85	115			
Sample ID: R08070115-001E	Sample Matrix Spike Duplicate				Run: SUB-C105358		08/05/08 14:55		
Selenium-IV	0.052	mg/L	0.0010	103	85	115	0	10	
Sample ID: C08070631-001CMS	Sample Matrix Spike				Run: SUB-C105358		08/05/08 15:22		
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: C08070631-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C105358		08/05/08 15:24		
Selenium-IV	0.046	mg/L	0.0010	93	85	115	0.9	10	
Method: A3114 B							Batch: C_SE3114-080805C		
Sample ID: MBLK	Method Blank				Run: SUB-C105366		08/05/08 16:49		
Selenium	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: SUB-C105366		08/05/08 16:51		
Selenium	0.050	mg/L	0.0010	99	90	110			
Sample ID: R08070115-001E	Sample Matrix Spike				Run: SUB-C105366		08/05/08 16:56		
Selenium	0.053	mg/L	0.0010	102	85	115			
Sample ID: R08070115-001E	Sample Matrix Spike Duplicate				Run: SUB-C105366		08/05/08 16:58		
Selenium	0.054	mg/L	0.0010	104	85	115	1.1	10	
Method: A4500-H B							Batch: 080710_1-PH-W		
Sample ID: LCS_pH-1_080710	Laboratory Control Sample				Run: PH_COND2-R_080710B		07/10/08 11:01		
pH	6.85	s.u.	0.010	100	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G							Batch: A2008-07-14_2_NH3_01		
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080714A		07/14/08 12:01	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080714A		07/14/08 12:33	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080714A		07/14/08 12:54	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	90	110			S
Sample ID: R08070115-005BMS	Sample Matrix Spike					Run: TECHAA2-R_080714A		07/14/08 14:39	
Nitrogen, Ammonia as N	0.61	mg/L	0.10	107	80	120			
Sample ID: R08070115-005BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080714A		07/14/08 14:40	
Nitrogen, Ammonia as N	0.57	mg/L	0.10	90	80	120	7.1	10	
Method: D5072-92							Batch: C_R104163		
Sample ID: R08070115-001G	Sample Duplicate					Run: SUB-C104163		07/12/08 12:58	
Radon 222	520000	pCi/L	100				13	30	
Sample ID: MB-R104163	Method Blank					Run: SUB-C104163		07/12/08 01:21	
Radon 222	20	pCi/L							
Sample ID: LCS-R104163	Laboratory Control Sample					Run: SUB-C104163		07/12/08 02:16	
Radon 222	303	pCi/L	100	91	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_19130		
Sample ID: MB-19130	Method Blank			Run: SUB-C104583			07/21/08 17:27		
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.002	mg/L	0.001						
Sample ID: LCS3-19130	Laboratory Control Sample			Run: SUB-C104583			07/21/08 17:31		
Barium	0.511	mg/L	0.10	102	85	115			
Boron	0.504	mg/L	0.10	101	85	115			
Chromium	0.512	mg/L	0.050	102	85	115			
Copper	0.512	mg/L	0.010	102	85	115			
Iron	2.60	mg/L	0.030	104	85	115			
Manganese	2.55	mg/L	0.010	102	85	115			
Molybdenum	0.502	mg/L	0.10	100	85	115			
Nickel	0.506	mg/L	0.050	101	85	115			
Strontium	0.519	mg/L	0.10	104	85	115			
Zinc	0.517	mg/L	0.010	103	85	115			
Sample ID: C08070562-001HMS3	Sample Matrix Spike			Run: SUB-C104583			07/21/08 18:32		
Barium	0.543	mg/L	0.10	104	70	130			
Boron	0.716	mg/L	0.10	104	70	130			
Chromium	0.511	mg/L	0.050	102	70	130			
Copper	0.517	mg/L	0.010	103	70	130			
Iron	3.71	mg/L	0.030	103	70	130			
Manganese	2.67	mg/L	0.010	103	70	130			
Molybdenum	0.499	mg/L	0.10	100	70	130			
Nickel	0.511	mg/L	0.050	102	70	130			
Strontium	1.71	mg/L	0.10	97	70	130			
Zinc	0.529	mg/L	0.010	104	70	130			
Sample ID: C08070562-001HMSD3	Sample Matrix Spike Duplicate			Run: SUB-C104583			07/21/08 18:36		
Barium	0.531	mg/L	0.10	101	70	130	2.2	20	
Boron	0.715	mg/L	0.10	104	70	130	0.1	20	
Chromium	0.505	mg/L	0.050	101	70	130	1.2	20	
Copper	0.511	mg/L	0.010	102	70	130	1.2	20	
Iron	3.72	mg/L	0.030	104	70	130	0.2	20	
Manganese	2.62	mg/L	0.010	101	70	130	1.8	20	
Molybdenum	0.508	mg/L	0.10	102	70	130	1.9	20	
Nickel	0.506	mg/L	0.050	101	70	130	1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_19130		
Sample ID: C08070562-001HMSD3	Sample Matrix Spike Duplicate			Run: SUB-C104583			07/21/08 18:36		
Strontium	1.76	mg/L	0.10	107	70	130	2.7	20	
Zinc	0.518	mg/L	0.010	102	70	130	2.1	20	
Method: E200.7							Batch: C_R104679		
Sample ID: MB-080722	Method Blank			Run: SUB-C104679			07/22/08 11:40		
Aluminum	0.1	mg/L	0.0001						
Boron	0.06	mg/L	0.02						
Copper	0.004	mg/L	6E-05						
Iron	0.2	mg/L	0.005						
Molybdenum	ND	mg/L	0.0001						
Calcium	0.7	mg/L	0.04						
Magnesium	0.6	mg/L	0.06						
Potassium	0.6	mg/L	0.05						
Silica	ND	mg/L	0.1						
Sodium	ND	mg/L	0.07						
Sample ID: R08070115-004C	Sample Matrix Spike			Run: SUB-C104679			07/22/08 15:46		
Aluminum	0.561	mg/L	0.10	112	70	130			
Boron	0.657	mg/L	0.10	99	70	130			
Copper	0.553	mg/L	0.010	109	70	130			
Iron	0.941	mg/L	0.031	94	70	130			
Molybdenum	0.548	mg/L	0.10	110	70	130			
Sample ID: R08070115-004C	Sample Matrix Spike Duplicate			Run: SUB-C104679			07/22/08 15:51		
Aluminum	0.544	mg/L	0.10	109	70	130	3.1	20	
Boron	0.649	mg/L	0.10	98	70	130	1.2	20	
Copper	0.541	mg/L	0.010	107	70	130	2.2	20	
Iron	0.933	mg/L	0.031	93	70	130	0.9	20	
Molybdenum	0.530	mg/L	0.10	106	70	130	3.3	20	
Sample ID: C08070893-002BDUP	Sample Duplicate			Run: SUB-C104679			07/23/08 01:34		
Aluminum	0.0270	mg/L	0.10				0	20	
Boron	ND	mg/L	0.10				0	20	
Copper	ND	mg/L	0.010				0	20	
Iron	ND	mg/L	0.030				0	20	
Molybdenum	ND	mg/L	0.10				0	20	
Calcium	0.149	mg/L	1.0				0	20	
Magnesium	ND	mg/L	1.0				0	20	
Potassium	0.551	mg/L	1.0				0	20	
Silica	ND	mg/L	0.10						
Sodium	0.164	mg/L	1.0				0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104799		
Sample ID: MB-080724A	Method Blank		Run: SUB-C104799				07/24/08 13:13		
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Silver	ND	mg/L	0.006						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Sample ID: LFB-080724A	Laboratory Fortified Blank		Run: SUB-C104799				07/24/08 13:17		
Silica	0.39	mg/L	0.10	99	85	125			
Aluminum	1.0	mg/L	0.10	100	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Calcium	54	mg/L	0.50	108	85	125			
Chromium	1.0	mg/L	0.050	105	85	125			
Iron	1.1	mg/L	0.030	109	85	125			
Magnesium	54	mg/L	0.50	108	85	125			
Nickel	1.0	mg/L	0.050	104	85	125			
Potassium	46	mg/L	0.50	93	85	125			
Silver	1.0	mg/L	0.010	102	85	125			
Sodium	50	mg/L	0.77	99	85	125			
Vanadium	1.1	mg/L	0.10	106	85	125			
Sample ID: C08070339-001JMS2	Sample Matrix Spike		Run: SUB-C104799				07/24/08 17:19		
Aluminum	1.95	mg/L	0.10	98	70	130			
Boron	2.25	mg/L	0.10	103	70	130			
Chromium	2.05	mg/L	0.050	102	70	130			
Iron	2.13	mg/L	0.030	106	70	130			
Nickel	2.02	mg/L	0.050	101	70	130			
Silver	2.00	mg/L	0.012	100	70	130			
Vanadium	2.17	mg/L	0.10	108	70	130			
Calcium	263	mg/L	1.0	103	70	130			
Magnesium	153	mg/L	1.0	103	70	130			
Potassium	105	mg/L	1.0	90	70	130			
Silica	7.85	mg/L	0.10		70	130			A
Sodium	144	mg/L	1.5	99	70	130			
Sample ID: C08070339-001JMSD2	Sample Matrix Spike Duplicate		Run: SUB-C104799				07/24/08 17:23		
Aluminum	1.97	mg/L	0.10	98	70	130	0.8	20	
Boron	2.23	mg/L	0.10	102	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104799		
Sample ID: C08070339-001JMSD2	Sample Matrix Spike Duplicate				Run: SUB-C104799			07/24/08 17:23	
Chromium	2.02	mg/L	0.050	101	70	130	1.5	20	
Iron	2.10	mg/L	0.030	105	70	130	1.3	20	
Nickel	1.98	mg/L	0.050	99	70	130	1.7	20	
Silver	2.00	mg/L	0.012	100	70	130	0.1	20	
Vanadium	2.07	mg/L	0.10	103	70	130	4.5	20	
Calcium	259	mg/L	1.0	99	70	130	1.5	20	
Magnesium	150	mg/L	1.0	100	70	130	1.8	20	
Potassium	106	mg/L	1.0	90	70	130	0.6	20	
Silica	7.77	mg/L	0.10		70	130	1	20	A
Sodium	141	mg/L	1.5	97	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19130		
Sample ID: MB-19130		Method Blank		Run: SUB-C104980			07/28/08 12:37		
Antimony	0.0003	mg/L	0.0002						
Arsenic	0.0005	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	5E-05	mg/L	4E-05						
Thallium	ND	mg/L	3E-05						
Uranium	0.0002	mg/L	3E-05						
Sample ID: LCS3-19130		Laboratory Control Sample		Run: SUB-C104980			07/28/08 12:44		
Antimony	0.53	mg/L	0.0018	106	85	115			
Arsenic	0.52	mg/L	0.0010	105	85	115			
Beryllium	0.26	mg/L	0.0011	103	85	115			
Cadmium	0.26	mg/L	0.0010	102	85	115			
Lead	0.51	mg/L	0.0010	102	85	115			
Selenium	0.51	mg/L	0.0020	103	85	115			
Silver	0.048	mg/L	0.0010	96	85	115			
Thallium	0.50	mg/L	0.0010	101	85	115			
Uranium	0.52	mg/L	0.00032	104	85	115			
Sample ID: C08070562-001HMS3		Sample Matrix Spike		Run: SUB-C104980			07/28/08 13:59		
Antimony	0.61	mg/L	0.0010	122	70	130			
Arsenic	0.54	mg/L	0.0010	106	70	130			
Beryllium	0.27	mg/L	0.0010	107	70	130			
Cadmium	0.27	mg/L	0.0010	106	70	130			
Lead	0.57	mg/L	0.0010	113	70	130			
Selenium	0.50	mg/L	0.0010	101	70	130			
Silver	0.050	mg/L	0.0010	100	70	130			
Thallium	0.57	mg/L	0.0010	113	70	130			
Uranium	0.63	mg/L	0.00030	60	70	130			S
Sample ID: C08070562-001HMSD3		Sample Matrix Spike Duplicate		Run: SUB-C104980			07/28/08 14:06		
Antimony	0.59	mg/L	0.0010	119	70	130	3	20	
Arsenic	0.52	mg/L	0.0010	103	70	130	3.3	20	
Beryllium	0.26	mg/L	0.0010	104	70	130	3.3	20	
Cadmium	0.26	mg/L	0.0010	103	70	130	2.8	20	
Lead	0.55	mg/L	0.0010	110	70	130	2.5	20	
Selenium	0.48	mg/L	0.0010	97	70	130	4	20	
Silver	0.048	mg/L	0.0010	96	70	130	4	20	
Thallium	0.54	mg/L	0.0010	108	70	130	4.8	20	
Uranium	0.60	mg/L	0.00030	58	70	130	3.8	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 09/12/08

Project: Edgemont

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19224
Sample ID: MB-19224	Method Blank					Run: SUB-C104868			07/27/08 03:08
Uranium	2E-05	mg/L							
Sample ID: LCS1-19224	Laboratory Control Sample					Run: SUB-C104868			07/27/08 03:12
Uranium	0.0471	mg/L	0.00030	90	80	120			
Sample ID: C08070737-009IMS4	Post Digestion Spike					Run: SUB-C104868			07/27/08 04:50
Uranium	0.0115	mg/L	0.00030	92	70	130			
Sample ID: C08070737-009IMSD4	Post Digestion Spike Duplicate					Run: SUB-C104868			07/27/08 04:54
Uranium	0.0115	mg/L	0.00030	91	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104758		
Sample ID: LRB	Method Blank		Run: SUB-C104758				07/23/08 12:27		
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	4E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	3E-06						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Manganese	ND	mg/L	6E-06						
Mercury	ND	mg/L	1E-05						
Molybdenum	ND	mg/L	9E-06						
Nickel	ND	mg/L	3E-05						
Uranium	4E-06	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Zinc	0.0001	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104758				07/23/08 12:34		
Aluminum	0.0509	mg/L	0.0010	102	85	115			
Arsenic	0.0497	mg/L	0.0010	99	85	115			
Barium	0.0490	mg/L	0.0010	98	85	115			
Cadmium	0.0506	mg/L	0.0010	101	85	115			
Chromium	0.0503	mg/L	0.0010	101	85	115			
Copper	0.0512	mg/L	0.0010	102	85	115			
Lead	0.0492	mg/L	0.0010	98	85	115			
Manganese	0.0495	mg/L	0.0010	99	85	115			
Mercury	0.00498	mg/L	0.0010	100	85	115			
Molybdenum	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0499	mg/L	0.0010	100	85	115			
Uranium	0.0488	mg/L	0.00030	98	85	115			
Vanadium	0.0492	mg/L	0.0010	98	85	115			
Zinc	0.0533	mg/L	0.0010	106	85	115			
Sample ID: R08070115-005C	Post Digestion Spike		Run: SUB-C104758				07/24/08 08:23		
Aluminum	0.0537	mg/L	0.10	105	70	130			
Arsenic	0.0485	mg/L	0.0010	97	70	130			
Barium	0.0765	mg/L	0.10	96	70	130			
Cadmium	0.0455	mg/L	0.010	91	70	130			
Chromium	0.0460	mg/L	0.050	92	70	130			
Copper	0.0480	mg/L	0.010	95	70	130			
Lead	0.0490	mg/L	0.050	98	70	130			
Manganese	0.0553	mg/L	0.010	95	70	130			
Mercury	0.00565	mg/L	0.0010	113	70	130			
Molybdenum	0.0565	mg/L	0.10	96	70	130			
Nickel	0.0473	mg/L	0.050	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104758		
Sample ID: R08070115-005C	Post Digestion Spike			Run: SUB-C104758			07/24/08 08:23		
Thorium 232	0.0490	mg/L	0.0010	98	70	130			
Uranium	0.0489	mg/L	0.00030	98	70	130			
Vanadium	0.0475	mg/L	0.10	95	70	130			
Zinc	0.0476	mg/L	0.010	93	70	130			
Sample ID: R08070115-005C	Post Digestion Spike Duplicate			Run: SUB-C104758			07/24/08 08:30		
Aluminum	0.0549	mg/L	0.10	107	70	130	0	20	
Arsenic	0.0484	mg/L	0.0010	97	70	130	0.3	20	
Barium	0.0764	mg/L	0.10	96	70	130	0	20	
Cadmium	0.0459	mg/L	0.010	92	70	130	0.9	20	
Chromium	0.0463	mg/L	0.050	93	70	130	0	20	
Copper	0.0484	mg/L	0.010	96	70	130	0.9	20	
Lead	0.0491	mg/L	0.050	98	70	130	0	20	
Manganese	0.0556	mg/L	0.010	95	70	130	0.6	20	
Mercury	0.00533	mg/L	0.0010	106	70	130	5.9	20	
Molybdenum	0.0569	mg/L	0.10	96	70	130	0	20	
Nickel	0.0479	mg/L	0.050	96	70	130	0	20	
Thorium 232	0.0494	mg/L	0.0010	99	70	130	1	20	
Uranium	0.0493	mg/L	0.00030	98	70	130	0.8	20	
Vanadium	0.0481	mg/L	0.10	96	70	130	0	20	
Zinc	0.0493	mg/L	0.010	96	70	130	3.5	20	
Sample ID: LRB	Method Blank			Run: SUB-C104758			07/23/08 12:27		
Thorium 232	3E-05	mg/L							
Sample ID: LFB	Laboratory Fortified Blank			Run: SUB-C104758			07/23/08 12:34		
Thorium 232	0.0485	mg/L	0.0010	97	85	115			

Qualifiers:

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ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104869		
Sample ID: LRB	Method Blank		Run: SUB-C104869				07/25/08 17:21		
Arsenic	ND	mg/L	4E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	3E-06						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	3E-05						
Iron	ND	mg/L	0.0002						
Lead	ND	mg/L	3E-06						
Manganese	ND	mg/L	6E-06						
Mercury	8E-05	mg/L	1E-05						
Molybdenum	ND	mg/L	9E-06						
Nickel	ND	mg/L	3E-05						
Uranium	ND	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Zinc	0.0002	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104869				07/25/08 17:28		
Arsenic	0.0515	mg/L	0.0010	103	85	115			
Barium	0.0513	mg/L	0.0010	102	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Chromium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0520	mg/L	0.0010	104	85	115			
Iron	1.30	mg/L	0.0010	87	85	115			
Lead	0.0514	mg/L	0.0010	103	85	115			
Manganese	0.0516	mg/L	0.0010	103	85	115			
Mercury	0.00522	mg/L	0.0010	103	85	115			
Molybdenum	0.0492	mg/L	0.0010	98	85	115			
Nickel	0.0514	mg/L	0.0010	103	85	115			
Uranium	0.0473	mg/L	0.00030	95	85	115			
Vanadium	0.0513	mg/L	0.0010	102	85	115			
Zinc	0.0545	mg/L	0.0010	109	85	115			
Sample ID: R08070115-001C	Post Digestion Spike		Run: SUB-C104869				07/26/08 02:58		
Arsenic	0.0487	mg/L	0.0010	93	70	130			
Barium	0.0884	mg/L	0.10	100	70	130			
Cadmium	0.0498	mg/L	0.010	100	70	130			
Chromium	0.0436	mg/L	0.050	87	70	130			
Copper	0.0444	mg/L	0.010	89	70	130			
Iron	1.19	mg/L	0.030	373	70	130			S
Lead	0.0503	mg/L	0.050	100	70	130			
Manganese	0.202	mg/L	0.010	103	70	130			
Mercury	0.00503	mg/L	0.0010	101	70	130			
Molybdenum	0.0509	mg/L	0.10	100	70	130			
Nickel	0.0464	mg/L	0.050	89	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Report Date: 09/12/08

Project: Edgemont

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104869		
Sample ID: R08070115-001C	Post Digestion Spike			Run: SUB-C104869			07/26/08 02:58		
Thorium 232	0.0536	mg/L	0.0010	107	70	130			
Uranium	0.0663	mg/L	0.00030	108	70	130			
Vanadium	0.0461	mg/L	0.10	92	70	130			
Zinc	0.0480	mg/L	0.010	92	70	130			
Sample ID: R08070115-001C	Post Digestion Spike Duplicate			Run: SUB-C104869			07/26/08 03:04		
Arsenic	0.0497	mg/L	0.0010	95	70	130	2.2	20	
Barium	0.0901	mg/L	0.10	103	70	130	0	20	
Cadmium	0.0513	mg/L	0.010	103	70	130	3	20	
Chromium	0.0451	mg/L	0.050	90	70	130	0	20	
Copper	0.0458	mg/L	0.010	91	70	130	3	20	
Iron	1.20	mg/L	0.030	378	70	130	1.3	20	S
Lead	0.0526	mg/L	0.050	105	70	130	4.4	20	
Manganese	0.203	mg/L	0.010	106	70	130	0.6	20	
Mercury	0.00528	mg/L	0.0010	106	70	130	4.8	20	
Molybdenum	0.0530	mg/L	0.10	104	70	130	0	20	
Nickel	0.0475	mg/L	0.050	91	70	130	0	20	
Thorium 232	0.0558	mg/L	0.0010	112	70	130	4	20	
Uranium	0.0682	mg/L	0.00030	111	70	130	2.8	20	
Vanadium	0.0473	mg/L	0.10	95	70	130	0	20	
Zinc	0.0498	mg/L	0.010	95	70	130	3.8	20	
Sample ID: C08070597-001AMS4	Post Digestion Spike			Run: SUB-C104869			07/26/08 06:13		
Arsenic	0.0519	mg/L	0.0010	103	70	130			
Barium	0.0621	mg/L	0.10	103	70	130			
Cadmium	0.0476	mg/L	0.010	93	70	130			
Chromium	0.0502	mg/L	0.050	100	70	130			
Copper	0.0480	mg/L	0.010	95	70	130			
Iron	1.30	mg/L	0.030	406	70	130			S
Lead	0.0508	mg/L	0.050	101	70	130			
Manganese	2.21	mg/L	0.010		70	130			A
Mercury	0.00560	mg/L	0.0010	111	70	130			
Molybdenum	0.0566	mg/L	0.10	103	70	130			
Nickel	0.0622	mg/L	0.050	96	70	130			
Thorium 232	0.0541	mg/L	0.0010	108	70	130			
Uranium	0.116	mg/L	0.00030	101	70	130			
Vanadium	0.0515	mg/L	0.10	103	70	130			
Zinc	0.0552	mg/L	0.010	93	70	130			
Sample ID: C08070597-001AMSD4	Post Digestion Spike Duplicate			Run: SUB-C104869			07/26/08 06:20		
Arsenic	0.0492	mg/L	0.0010	98	70	130	5.3	20	
Barium	0.0620	mg/L	0.10	103	70	130	0	20	
Cadmium	0.0482	mg/L	0.010	95	70	130	1.3	20	
Chromium	0.0462	mg/L	0.050	92	70	130	0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104869		
Sample ID: C08070597-001AMSD4	Post Digestion Spike Duplicate			Run: SUB-C104869			07/26/08 06:20		
Copper	0.0452	mg/L	0.010	90	70	130	6	20	
Iron	1.42	mg/L	0.030	442	70	130	8.3	20	S
Lead	0.0511	mg/L	0.050	102	70	130	0.6	20	
Manganese	2.20	mg/L	0.010		70	130	0.1	20	A
Mercury	0.00559	mg/L	0.0010	110	70	130	0.3	20	
Molybdenum	0.0572	mg/L	0.10	104	70	130	0	20	
Nickel	0.0623	mg/L	0.050	96	70	130	0.2	20	
Thorium 232	0.0550	mg/L	0.0010	109	70	130	1.5	20	
Uranium	0.117	mg/L	0.00030	103	70	130	0.9	20	
Vanadium	0.0484	mg/L	0.10	97	70	130	0	20	
Zinc	0.0495	mg/L	0.010	82	70	130	11	20	
Sample ID: LRB	Method Blank			Run: SUB-C104869			07/25/08 17:21		
Thorium 232	4E-05	mg/L							
Sample ID: LFB	Laboratory Fortified Blank			Run: SUB-C104869			07/25/08 17:28		
Thorium 232	0.0473	mg/L	0.0010	95	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R105057		
Sample ID: LRB	Method Blank		Run: SUB-C105057				07/29/08 12:44		
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Manganese	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Vanadium	4E-05	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C105057				07/29/08 12:51		
Cadmium	0.0498	mg/L	0.0010	100	85	115			
Chromium	0.0483	mg/L	0.0010	97	85	115			
Manganese	0.0486	mg/L	0.0010	97	85	115			
Nickel	0.0495	mg/L	0.0010	99	85	115			
Silver	0.0194	mg/L	0.0010	97	85	115			
Vanadium	0.0488	mg/L	0.0010	97	85	115			
Zinc	0.0508	mg/L	0.0010	102	85	115			
Sample ID: C08070597-004AMS4	Post Digestion Spike		Run: SUB-C105057				07/29/08 20:11		
Cadmium	0.0509	mg/L	0.010	102	70	130			
Chromium	0.0509	mg/L	0.050	101	70	130			
Manganese	0.0528	mg/L	0.010	101	70	130			
Nickel	0.0495	mg/L	0.050	97	70	130			
Silver	0.0121	mg/L	0.010	61	70	130			S
Vanadium	0.0515	mg/L	0.10	102	70	130			
Zinc	0.0755	mg/L	0.010	104	70	130			
Sample ID: C08070597-004AMSD4	Post Digestion Spike Duplicate		Run: SUB-C105057				07/29/08 20:18		
Cadmium	0.0504	mg/L	0.010	101	70	130	1	20	
Chromium	0.0486	mg/L	0.050	96	70	130	0	20	
Manganese	0.0502	mg/L	0.010	96	70	130	4.9	20	
Nickel	0.0487	mg/L	0.050	96	70	130	0	20	
Silver	0.0134	mg/L	0.010	67	70	130	9.6	20	S
Vanadium	0.0483	mg/L	0.10	96	70	130	0	20	
Zinc	0.0736	mg/L	0.010	100	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: B_33468		
Sample ID: MB-33468	Method Blank					Run: SUB-B113943			07/11/08 15:24
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33468	Laboratory Fortified Blank					Run: SUB-B113943			07/11/08 15:36
Mercury	0.0040	mg/L	0.0010	100	85	115			
Sample ID: B08070660-001HMS	Sample Matrix Spike					Run: SUB-B113943			07/11/08 15:41
Mercury	0.0041	mg/L	0.0010	102	70	130			
Sample ID: B08070660-001HMSD	Sample Matrix Spike Duplicate					Run: SUB-B113943			07/11/08 15:43
Mercury	0.0043	mg/L	0.0010	107	70	130	5.3	30	
Method: E245.1							Batch: B_33469		
Sample ID: MB-33469	Method Blank					Run: SUB-B113943			07/11/08 16:53
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33469	Laboratory Fortified Blank					Run: SUB-B113943			07/11/08 16:55
Mercury	0.0019	mg/L	0.0010	93	85	115			
Sample ID: B08071042-002DMS	Sample Matrix Spike					Run: SUB-B113943			07/11/08 17:00
Mercury	0.0019	mg/L	0.0010	93	70	130			
Sample ID: B08071042-002DMSD	Sample Matrix Spike Duplicate					Run: SUB-B113943			07/11/08 17:02
Mercury	0.0020	mg/L	0.0010	100	70	130	7.8	30	
Method: E245.1							Analytical Run: SUB-B113943		
Sample ID: QCS	Initial Calibration Verification Standard								07/11/08 15:17
Mercury	0.0020	mg/L	0.0010	102	90	110			
Method: E245.1							Batch: C_B_33540		
Sample ID: MB-33540	Method Blank					Run: SUB-C104653			07/21/08 09:03
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33540	Laboratory Fortified Blank					Run: SUB-C104653			07/21/08 09:05
Mercury	0.0018	mg/L	0.0010	90	85	115			
Sample ID: B08071382-002AMS	Sample Matrix Spike					Run: SUB-C104653			07/21/08 10:02
Mercury	0.0024	mg/L	0.0010	110	70	130			
Sample ID: B08071382-002AMSD	Sample Matrix Spike Duplicate					Run: SUB-C104653			07/21/08 10:04
Mercury	0.0024	mg/L	0.0010	109	70	130	0.4	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R35925		
Sample ID: LFB0807081629-3	Laboratory Fortified Blank			Run: DIONEX_080708A			07/08/08 18:20		
Chloride	4.61	mg/L	0.50	92	90	110			
Fluoride	1.89	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.28	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: LFB0807081629-4	Laboratory Fortified Blank			Run: DIONEX_080708A			07/08/08 18:36		
Chloride	4.58	mg/L	0.50	92	90	110			
Fluoride	1.90	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sulfate	13.5	mg/L	1.0	90	90	110			
Sample ID: R08070115-005AMS	Sample Matrix Spike			Run: DIONEX_080708A			07/08/08 22:42		
Chloride	249	mg/L	5.4	71	80	120			S
Fluoride	94.1	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	111	mg/L	1.3	89	80	120			
Nitrogen, Nitrite as N	117	mg/L	2.9	93	80	120			
Sulfate	1420	mg/L	3.4	82	80	120			
Sample ID: R08070115-005AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080708A			07/08/08 22:59		
Chloride	247	mg/L	5.4	70	80	120	0.8	10	S
Fluoride	93.6	mg/L	0.56	87	80	120	0.5	10	
Nitrogen, Nitrate as N	111	mg/L	1.3	88	80	120	0.5	10	
Nitrogen, Nitrite as N	116	mg/L	2.9	93	80	120	0.4	10	
Sulfate	1400	mg/L	3.4	79	80	120	1.6	10	S
Method: E300.0							Batch: R35984		
Sample ID: LFB0807113912-3	Laboratory Fortified Blank			Run: DIONEX_080711A			07/11/08 12:14		
Chloride	4.72	mg/L	0.50	94	90	110			
Sample ID: LFB0807113912-4	Laboratory Fortified Blank			Run: DIONEX_080711A			07/11/08 12:30		
Chloride	4.73	mg/L	0.50	95	90	110			
Sample ID: R08070043-006HMS	Sample Matrix Spike			Run: DIONEX_080711A			07/11/08 23:11		
Chloride	926	mg/L	5.4	114	80	120			
Sample ID: R08070043-006HMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080711A			07/11/08 23:27		
Chloride	917	mg/L	5.4	111	80	120	1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0496		
Sample ID: MB-GrAB-0496	Method Blank					Run: SUB-C105636		08/09/08 00:01	
Gross Alpha	-0.04	pCi/L							U
Gross Beta	-2	pCi/L							U
Sample ID: UNAT-GrAB-0496	Laboratory Control Sample					Run: SUB-C105636		08/09/08 00:01	
Gross Alpha	140	pCi/L	104		70	130			
Sample ID: Cs137-GrAB-0496	Laboratory Control Sample					Run: SUB-C105636		08/09/08 00:01	
Gross Beta	91	pCi/L	99		70	130			
Sample ID: C08071218-007DMS	Sample Matrix Spike					Run: SUB-C105636		08/09/08 00:01	
Gross Alpha	149	pCi/L	90		70	130			
Sample ID: C08071218-007DMSD	Sample Matrix Spike Duplicate					Run: SUB-C105636		08/09/08 00:01	
Gross Alpha	158	pCi/L	96		70	130	5.8	19.9	
Sample ID: C08071218-007DMS	Sample Matrix Spike					Run: SUB-C105636		08/09/08 00:01	
Gross Beta	113	pCi/L	91		70	130			
Sample ID: C08071218-007DMSD	Sample Matrix Spike Duplicate					Run: SUB-C105636		08/09/08 00:01	
Gross Beta	117	pCi/L	95		70	130	2.9	15.8	
Method: E900.0							Batch: C_GrAB-0509		
Sample ID: MB-GrAB-0509	Method Blank					Run: SUB-C106863		08/30/08 03:22	
Gross Alpha	0.5	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0509	Laboratory Control Sample					Run: SUB-C106863		08/30/08 03:22	
Gross Alpha	110	pCi/L	77		70	130			
Sample ID: C08071077-001JMS	Sample Matrix Spike					Run: SUB-C106863		08/30/08 03:22	
Gross Alpha	120	pCi/L	89		70	130			
Sample ID: C08071077-001JMSD	Sample Matrix Spike Duplicate					Run: SUB-C106863		08/30/08 03:22	
Gross Alpha	140	pCi/L	100		70	130	11	17.2	
Sample ID: Cs137-GrAB-0509	Laboratory Control Sample					Run: SUB-C106863		08/30/08 03:22	
Gross Beta	90	pCi/L	99		70	130			
Sample ID: C08071077-001JMS	Sample Matrix Spike					Run: SUB-C106863		08/30/08 03:22	
Gross Beta	94	pCi/L	104		70	130			
Sample ID: C08071077-001JMSD	Sample Matrix Spike Duplicate					Run: SUB-C106863		08/30/08 22:33	
Gross Beta	77	pCi/L	86		70	130	20	16.5	R

- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1							Batch: C_R104840		
Sample ID: LCS-R104840	Laboratory Control Sample				Run: SUB-C104840			07/17/08 13:12	
Americium 241	230000	pCi/L	20	75	70	130			
Cesium 137	460000	pCi/L	20	106	70	130			
Cobalt 60	320000	pCi/L	20	101	70	130			
Sample ID: MB-R104840	Method Blank				Run: SUB-C104840			07/17/08 13:12	
Gross Gamma	ND	pCi/L							U
Sample ID: C08061394-007HDUP	Sample Duplicate				Run: SUB-C104840			07/17/08 13:12	
Gross Gamma	ND	pCi/L	20				0	30	
Method: E903.0							Batch: C_19224		
Sample ID: C08070719-001EMS	Sample Matrix Spike				Run: SUB-C105486			08/06/08 15:36	
Radium 226	140	pCi/L		87	70	130			
Sample ID: C08070719-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C105486			08/06/08 15:36	
Radium 226	130	pCi/L		79	70	130	7.8	29.9	
Sample ID: MB-19224	Method Blank				Run: SUB-C105486			08/06/08 17:08	
Radium 226	-2	pCi/L							U
Sample ID: LCS-19224	Laboratory Control Sample				Run: SUB-C105486			08/06/08 17:08	
Radium 226	58	pCi/L		76	70	130			
Method: E903.0							Batch: C_RA226-2961		
Sample ID: MB-RA226-2961	Method Blank				Run: SUB-C105461			08/06/08 08:16	
Radium 226	-0.08	pCi/L							U
Sample ID: LCS-RA226-2961	Laboratory Control Sample				Run: SUB-C105461			08/06/08 08:16	
Radium 226	16	pCi/L		100	70	130			
Sample ID: C08070540-001EMS	Sample Matrix Spike				Run: SUB-C105461			07/29/08 00:00	
Radium 226	16	pCi/L		103	70	130			
Sample ID: C08070540-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C105461			07/29/08 00:00	
Radium 226	16	pCi/L		104	70	130	0.9	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_19224		
Sample ID: C08070680-001IMS	Sample Matrix Spike					Run: SUB-C105794			08/04/08 22:05
Thorium 230	19.8	pCi/L	0.20	88	70	130			
Sample ID: C08070680-001IMSD	Sample Matrix Spike Duplicate					Run: SUB-C105794			08/04/08 22:05
Thorium 230	23.7	pCi/L	0.20	103	70	130	18	30	
Sample ID: LCS-19224	Laboratory Control Sample					Run: SUB-C105794			08/05/08 12:51
Thorium 230	44.9	pCi/L	0.20	92	70	130			
Sample ID: MB-19224	Method Blank					Run: SUB-C105794			08/05/08 12:51
Thorium 230	0.04	pCi/L							U
Method: E907.0							Batch: C_RA-TH-ISO-0592		
Sample ID: LCS-RA-TH-ISO-0592	Laboratory Control Sample					Run: SUB-C105766			08/10/08 16:42
Thorium 230	6.23	pCi/L	0.20	103	70	130			
Sample ID: R08070115-006H	Sample Matrix Spike					Run: SUB-C105766			08/10/08 16:46
Thorium 230	17.2	pCi/L	0.20	105	70	130			
Sample ID: R08070115-006H	Sample Matrix Spike Duplicate					Run: SUB-C105766			08/10/08 16:47
Thorium 230	16.0	pCi/L	0.20	98	70	130	7.3	30	
Sample ID: MB-RA-TH-ISO-0592	Method Blank					Run: SUB-C105766			08/08/08 23:51
Thorium 230	-0.05	pCi/L							U
Method: E909.0M							Batch: C_19224		
Sample ID: R08070115-007I	Sample Matrix Spike					Run: SUB-C106081			07/29/08 09:30
Lead 210	930	pCi/L		79	70	130			
Sample ID: R08070115-007I	Sample Matrix Spike Duplicate					Run: SUB-C106081			07/29/08 09:30
Lead 210	1400	pCi/L		117	70	130	39	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R106081	Method Blank					Run: SUB-C106081			07/29/08 09:30
Lead 210	5	pCi/L							U
Sample ID: LCS-R106081	Laboratory Control Sample					Run: SUB-C106081			07/29/08 09:30
Lead 210	110	pCi/L		87	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M							Batch: C_R105847		
Sample ID: R08070115-001H	Sample Matrix Spike				Run: SUB-C105847				07/24/08 08:45
Lead 210	560	pCi/L		91	70	130			
Sample ID: R08070115-001H	Sample Matrix Spike Duplicate				Run: SUB-C105847				07/24/08 08:45
Lead 210	590	pCi/L		96	70	130	5.4	30	
Sample ID: MB-R105847	Method Blank				Run: SUB-C105847				07/24/08 08:45
Lead 210	5	pCi/L							U
Sample ID: LCS-R105847	Laboratory Control Sample				Run: SUB-C105847				07/24/08 08:45
Lead 210	130	pCi/L		106	70	130			
Sample ID: R08070115-005H	Sample Duplicate				Run: SUB-C105847				07/24/08 08:45
Lead 210	6.3	pCi/L					110	30	UR
Lead 210 MDC	7.9	pCi/L							
- High RPD is irrelevant since both samples are below the MDC.									
Method: RMO-3008							Batch: C_19224		
Sample ID: C08070737-009IMS	Sample Matrix Spike				Run: SUB-C105583				07/31/08 14:15
Polonium 210	50	pCi/L	1.0	119	70	130			
Sample ID: C08070737-009IMSD	Sample Matrix Spike Duplicate				Run: SUB-C105583				07/31/08 14:15
Polonium 210	44	pCi/L	1.0	104	70	130	14	30	
Sample ID: LCS-R105583	Laboratory Control Sample				Run: SUB-C105583				07/31/08 14:15
Polonium 210	80	pCi/L	1.0	93	70	130			
Sample ID: MB-R105583	Method Blank				Run: SUB-C105583				07/31/08 14:15
Polonium 210	0.2	pCi/L							U
Method: RMO-3008							Batch: C_R106670		
Sample ID: R08070115-004H	Sample Matrix Spike				Run: SUB-C106670				08/21/08 17:30
Polonium 210	80	pCi/L	1.0	72	70	130			
Sample ID: R08070115-004H	Sample Matrix Spike Duplicate				Run: SUB-C106670				08/21/08 17:30
Polonium 210	95	pCi/L	1.0	84	70	130	17	30	
Sample ID: LCS-R106670	Laboratory Control Sample				Run: SUB-C106670				08/21/08 17:30
Polonium 210	42	pCi/L	1.0	76	70	130			
Sample ID: MB-R106670	Method Blank				Run: SUB-C106670				08/21/08 17:30
Polonium 210	0.1	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 09/12/08

Work Order: R08070115

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A							Analytical Run: SUB-C104653		
Sample ID: QCS		Initial Calibration Verification Standard							07/21/08 08:38
Mercury	0.0020	mg/L	0.0010	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: DESPEZ		Project Name, PWS, Permit, Etc. Powder Mill Dairy Land		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address:		Contact Name: Corey Foreman Phone/Fax:		Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following:					
<div><div><input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: <input type="checkbox"/> Other:</div><div><input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC</div></div>					
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other
1. DeBurd GW 680		7/7/08	13:39	W	ANALYSIS REQUESTED As per Quote SEE ATTACHED Normal Turnaround (TAT) RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: Receipt Temp 5.3 °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No Custody Seal Intact Signature Match Y N Y N Shipped by: Cooler ID#:
2. DeBurd GW 680		7/7/08	13:29	W	
3. DeBurd GW 682		7/7/08	15:22	W	
4. DeBurd GW 684		7/7/08	17:22	W	
5. DeBurd GW 690		7/7/08	18:10	W	
6. DeBurd GW 688		7/7/08	18:58	W	
7. DeBurd GW 686		7/7/08	18:55		
8. DeBurd GW 688		7/7/08	18:49	W	
9. DeBurd GW 686		7/7/08	19:03	W	
10.					
Custody Record Relinquished by (print): Eric Krantz Date/Time: 7/8/08 09:50 Signature: <i>[Signature]</i>		Received by (print): Steve Froland Date/Time: 7-8-08 9:50 Signature: <i>[Signature]</i>		LABORATORY USE ONLY 808070115001	
Signed		Lab Disposal:		Received by Laboratory: Date/Time: Signature:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

October 01, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08070220 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 7/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070220-001	DewBurd GW3026	07/13/08 15:28	07/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson
Rapid City - Project Manager



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070220-001
Client Sample ID: DewBurd GW3026

Report Date: 10/01/08
Collection Date: 07/13/08 15:28
Date Received: 07/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	184	mg/L		5		1	A2320 B	07/15/08 17:41/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 17:41/mb
Bicarbonate as HCO3	224	mg/L		5		1	A2320 B	07/15/08 17:41/mb
Calcium	466	mg/L		0.5		1	E200.7	07/22/08 16:48/eli-c
Chloride	15	mg/L		1		1	E300.0	07/16/08 10:34/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/16/08 10:34/jmh
Magnesium	138	mg/L		0.5		1	E200.7	07/22/08 16:48/eli-c
Nitrogen, Ammonia as N	0.7	mg/L		0.1		1	A4500-NH3 G	07/17/08 15:58/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/16/08 10:34/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/16/08 10:34/jmh
Potassium	30.6	mg/L		0.5		1	E200.7	07/22/08 16:48/eli-c
Silica	1.4	mg/L		0.5		1	E200.7	07/22/08 16:48/eli-c
Sodium	168	mg/L		0.5		1	E200.7	07/22/08 16:48/eli-c
Sulfate	1700	mg/L	D	3		50	E300.0	07/16/08 09:45/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3070	umhos/cm		5.0		1	A2510 B	07/17/08 10:22/tb
Oxidation-Reduction Potential	-15.5	mV				1	A2580 B	07/16/08 00:00/kh
pH	6.57	s.u.		0.01		1	A4500-H B	07/16/08 15:44/tb
Sodium Adsorption Ratio (SAR)	1.8	unitless		0.10		1	Calculation	09/24/08 08:30/ADM
Solids, Total Dissolved TDS @ 180 C	2800	mg/L		5		1	A2540 C	07/14/08 15:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/26/08 07:52/eli-c
Arsenic	0.016	mg/L		0.001		1	E200.8	07/26/08 07:52/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 07:52/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	07/22/08 16:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 07:52/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 07:52/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 07:52/eli-c
Iron	21.2	mg/L		0.03		1	E200.7	07/22/08 16:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 07:52/eli-c
Manganese	1.47	mg/L		0.01		1	E200.8	07/26/08 07:52/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 07:52/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 07:52/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 07:52/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/05/08 17:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/31/08 18:07/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 07:52/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

Page 1 of 3



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070220-001
Client Sample ID: DewBurd GW3026

Report Date: 10/01/08
Collection Date: 07/13/08 15:28
Date Received: 07/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0128	mg/L		0.0003		1	E200.8	07/26/08 07:52/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 07:52/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	07/26/08 07:52/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 03:57/eli-c
METALS - SPECIATED								
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	08/05/08 15:17/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	80.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha precision (±)	11.8	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha MDC	10.4	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta	32.6	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta precision (±)	7.2	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta MDC	11.0	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Lead 210	3.1	pCi/L	U			1	E909.0M	07/25/08 11:45/eli-c
Lead 210 precision (±)	5.6	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.46	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	10.1	pCi/L				1	E903.0	08/06/08 12:47/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	08/06/08 12:47/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/08/08 23:51/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/08/08 23:51/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	07/17/08 13:12/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. This value should not be used for regulatory reporting purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-10	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.6	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.28	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/06/08 13:33/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070220-001
Client Sample ID: DewBurd GW3026

Report Date: 10/01/08
Collection Date: 07/13/08 15:28
Date Received: 07/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/04/08 22:05/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. This value should not be used for regulatory reporting purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	560	pCi/L		100		1	D5072-92	07/16/08 18:45/eli-c
Radon 222 precision (±)	63.0	pCi/L				1	D5072-92	07/16/08 18:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	08/01/08 01:01/eli-c
Arsenic	0.044	mg/L		0.001		10	E200.8	08/01/08 01:01/eli-c
Barium	ND	mg/L		0.1		10	E200.8	08/01/08 01:01/eli-c
Beryllium	0.001	mg/L		0.001		10	E200.8	08/01/08 01:01/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	07/18/08 12:52/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	08/01/08 01:01/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	08/01/08 01:01/eli-c
Copper	0.01	mg/L		0.01		10	E200.8	08/01/08 01:01/eli-c
Iron	22.0	mg/L		0.03		2	E200.7	07/18/08 12:52/eli-c
Lead	ND	mg/L		0.001		10	E200.8	08/01/08 01:01/eli-c
Manganese	1.57	mg/L		0.01		10	E200.8	08/02/08 02:35/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/23/08 08:42/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/22/08 10:48/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	08/01/08 01:01/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	08/01/08 01:01/eli-c
Selenium	ND	mg/L		0.001		10	E200.8	08/01/08 01:01/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/02/08 02:35/eli-c
Strontium	7.7	mg/L		0.1		10	E200.8	08/01/08 01:01/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	08/01/08 01:01/eli-c
Uranium	0.0151	mg/L		0.0003		10	E200.8	08/01/08 01:01/eli-c
Zinc	0.03	mg/L		0.01		10	E200.8	08/01/08 01:01/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.04	%				1	A1030 E	09/24/08 00:00/jmh
Anions	39.4	meq/L				1	A1030 E	09/24/08 00:00/jmh
Cations	43.6	meq/L				1	A1030 E	09/24/08 00:00/jmh
Solids, Total Dissolved Calculated	2630	mg/L				1	A1030 E	09/24/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.06					1	A1030 E	09/24/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B			Batch: 080715A-ALK-SEL-W						
Sample ID: LCS1_080715A	Laboratory Control Sample				Run: PH_COND1-R_080715A				07/15/08 14:16
Alkalinity, Total as CaCO ₃	952	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080715A	Method Blank				Run: PH_COND1-R_080715A				07/15/08 14:17
Alkalinity, Total as CaCO ₃	ND	mg/L	3						
Sample ID: R08070173-004AMS	Sample Matrix Spike				Run: PH_COND1-R_080715A				07/15/08 17:15
Alkalinity, Total as CaCO ₃	278	mg/L	5.0	102	80	120			
Sample ID: R08070173-004AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080715A				07/15/08 17:20
Alkalinity, Total as CaCO ₃	282	mg/L	5.0	106	80	120	1.4	10	
Sample ID: R08070238-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080715A				07/15/08 18:02
Alkalinity, Total as CaCO ₃	274	mg/L	5.0	102	80	120			
Sample ID: R08070238-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080715A				07/15/08 18:03
Alkalinity, Total as CaCO ₃	276	mg/L	5.0	104	80	120	0.7	10	
Method: A2510 B			Batch: 080717_1_COND-PROBE-W						
Sample ID: LCS_COND-1_080717	Laboratory Control Sample				Run: PH_COND2-R_080717B				07/17/08 10:06
Conductivity @ 25 C	1420	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080717	Laboratory Control Sample				Run: PH_COND2-R_080717B				07/17/08 10:06
Conductivity @ 25 C	156	umhos/cm	5.0	104	90	110			
Sample ID: LCS2-1_080717	Laboratory Control Sample				Run: PH_COND2-R_080717B				07/17/08 10:08
Conductivity @ 25 C	4940	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080717	Method Blank				Run: PH_COND2-R_080717B				07/17/08 10:42
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C			Batch: 080714A-SLDS-TDS-W						
Sample ID: R08070211-006BMS	Sample Matrix Spike				Run: BAL-4-R_080710B				07/14/08 15:32
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	104	80	120			
Sample ID: R08070211-006BMDS	Sample Matrix Spike Duplicate				Run: BAL-4-R_080710B				07/14/08 15:33
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	102	80	120	0.4	10	
Method: A2580 B			Batch: 080716-ORP-ISE-W						
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080716A				07/16/08 00:00
Oxidation-Reduction Potential	470	mV		100	95	105			
Sample ID: R08070220-001F	Sample Duplicate				Run: PH_COND1-R_080716A				07/16/08 00:00
Oxidation-Reduction Potential	ND	mV					0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B							Batch: C_SE3114-080805B		
Sample ID: MBLK	Method Blank					Run: SUB-C105358			08/05/08 14:47
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample					Run: SUB-C105358			08/05/08 14:49
Selenium-IV	0.050	mg/L	0.0010	99	90	110			
Sample ID: C08070631-001CMS	Sample Matrix Spike					Run: SUB-C105358			08/05/08 15:22
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: C08070631-001CMSD	Sample Matrix Spike Duplicate					Run: SUB-C105358			08/05/08 15:24
Selenium-IV	0.046	mg/L	0.0010	93	85	115	0.9	10	
Method: A3114 B							Batch: C_SE3114-080805C		
Sample ID: MBLK	Method Blank					Run: SUB-C105366			08/05/08 16:49
Selenium	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample					Run: SUB-C105366			08/05/08 16:51
Selenium	0.050	mg/L	0.0010	99	90	110			
Sample ID: C08070547-001EMS	Sample Matrix Spike					Run: SUB-C105366			08/05/08 16:56
Selenium	0.053	mg/L	0.0010	102	85	115			
Sample ID: C08070547-001EMSD	Sample Matrix Spike Duplicate					Run: SUB-C105366			08/05/08 16:58
Selenium	0.054	mg/L	0.0010	104	85	115	1.1	10	
Method: A4500-H B							Batch: 080716_1_PH-W		
Sample ID: LCS_pH-1_080716	Laboratory Control Sample					Run: PH_COND2-R_080716A			07/16/08 15:41
pH	6.81	s.u.	0.010	99	98.55	101.45			
Method: A4500-NH3 G							Batch: A2008-07-17_2_NH3_02		
Sample ID: MBLK-2	Method Blank					Run: TECHAA2-R_080717B			07/17/08 11:42
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHAA2-R_080717B			07/17/08 11:54
Nitrogen, Ammonia as N	0.24	mg/L	0.10	94	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank					Run: TECHAA2-R_080717B			07/17/08 11:55
Nitrogen, Ammonia as N	0.26	mg/L	0.10	103	90	110			
Sample ID: R08070237-002BMS	Sample Matrix Spike					Run: TECHAA2-R_080717B			07/17/08 16:04
Nitrogen, Ammonia as N	0.21	mg/L	0.10	85	80	120			
Sample ID: R08070237-002BMSD	Sample Matrix Spike Duplicate					Run: TECHAA2-R_080717B			07/17/08 16:05
Nitrogen, Ammonia as N	0.20	mg/L	0.10	80	80	120	6.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92							Batch: C_R104556		
Sample ID: R08070220-001G	Sample Duplicate				Run: SUB-C104556			07/16/08 18:45	
Radon 222	601	pCi/L	100				7.1	30	
Sample ID: MB-R104556	Method Blank				Run: SUB-C104556			07/16/08 18:45	
Radon 222	-30	pCi/L							
Sample ID: LCS-R104556	Laboratory Control Sample				Run: SUB-C104556			07/16/08 18:45	
Radon 222	302	pCi/L	100	109	70	130			
Method: E200.7							Batch: C_19148		
Sample ID: MB-19148	Method Blank				Run: SUB-C104499			07/18/08 10:27	
Boron	0.04	mg/L	0.006						
Iron	0.01	mg/L	0.005						
Sample ID: LCS3-19148	Laboratory Control Sample				Run: SUB-C104499			07/18/08 10:30	
Boron	0.565	mg/L	0.10	105	85	115			
Iron	2.55	mg/L	0.030	101	85	115			
Sample ID: C08070676-001HMS3	Sample Matrix Spike				Run: SUB-C104499			07/18/08 12:45	
Boron	0.525	mg/L	0.10	96	70	130			
Iron	2.35	mg/L	0.030	89	70	130			
Sample ID: C08070676-001HMSD3	Sample Matrix Spike Duplicate				Run: SUB-C104499			07/18/08 12:48	
Boron	0.552	mg/L	0.10	101	70	130	5	20	
Iron	2.47	mg/L	0.030	94	70	130	5.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7							Batch: C_R104679		
Sample ID: MB-080722	Method Blank		Run: SUB-C104679				07/22/08 11:40		
Boron	0.06	mg/L	0.02						
Iron	0.2	mg/L	0.005						
Calcium	0.7	mg/L	0.04						
Magnesium	0.6	mg/L	0.06						
Potassium	0.6	mg/L	0.05						
Silica	ND	mg/L	0.1						
Sodium	ND	mg/L	0.07						
Silicon	ND	mg/L	0.05						
Sample ID: C08070893-002BDUP	Sample Duplicate		Run: SUB-C104679				07/23/08 01:34		
Boron	ND	mg/L	0.10				0	20	
Iron	ND	mg/L	0.030				0	20	
Calcium	0.149	mg/L	1.0				0	20	
Magnesium	ND	mg/L	1.0				0	20	
Potassium	0.551	mg/L	1.0				0	20	
Silica	ND	mg/L	0.10						
Sodium	0.164	mg/L	1.0				0	20	
Silicon	ND	mg/L	0.047				0	20	
Sample ID: C08070707-001BMS	Sample Matrix Spike		Run: SUB-C104679				07/22/08 16:56		
Boron	3.02	mg/L	0.27	96	70	130			
Iron	2.44	mg/L	0.77	98	70	130			
Silicon	2.31	mg/L	0.27	13	70	130			S
Sample ID: C08070707-001BMSD	Sample Matrix Spike Duplicate		Run: SUB-C104679				07/22/08 17:01		
Boron	2.75	mg/L	0.27	85	70	130	9.4	20	
Iron	2.34	mg/L	0.77	94	70	130	4	20	
Silicon	2.33	mg/L	0.27	14	70	130	0.9	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19148		
Sample ID: MB-19148	Method Blank		Run: SUB-C105162				08/01/08 00:20		
Antimony	0.0002	mg/L	6E-05						
Arsenic	0.02	mg/L	4E-05						
Barium	0.0001	mg/L	7E-05						
Beryllium	ND	mg/L	5E-05						
Cadmium	ND	mg/L	2E-05						
Chromium	0.006	mg/L	5E-05						
Copper	ND	mg/L	0.0004						
Lead	ND	mg/L	5E-05						
Manganese	0.0002	mg/L	3E-05						
Molybdenum	5E-05	mg/L	4E-05						
Nickel	ND	mg/L	0.0002						
Selenium	ND	mg/L	4E-05						
Silver	ND	mg/L	0.0002						
Strontium	ND	mg/L	4E-05						
Thallium	ND	mg/L	5E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.003	mg/L	0.0007						
Sample ID: LCS3-19148	Laboratory Control Sample		Run: SUB-C105162				08/01/08 00:27		
Antimony	0.526	mg/L	0.050	105	85	115			
Arsenic	0.550	mg/L	0.0010	106	85	115			
Barium	0.530	mg/L	0.10	106	85	115			
Beryllium	0.272	mg/L	0.010	109	85	115			
Cadmium	0.269	mg/L	0.010	108	85	115			
Chromium	0.517	mg/L	0.050	102	85	115			
Copper	0.516	mg/L	0.010	103	85	115			
Lead	0.513	mg/L	0.050	103	85	115			
Manganese	2.79	mg/L	0.010	112	85	115			
Molybdenum	0.501	mg/L	0.10	100	85	115			
Nickel	0.513	mg/L	0.050	103	85	115			
Selenium	0.528	mg/L	0.0010	106	85	115			
Silver	0.0294	mg/L	0.010	59	85	115			S
Strontium	0.529	mg/L	0.10	106	85	115			
Thallium	0.512	mg/L	0.10	102	85	115			
Uranium	0.555	mg/L	0.00030	111	85	115			
Zinc	0.521	mg/L	0.010	104	85	115			
Sample ID: C08070676-001HMS3	Sample Matrix Spike		Run: SUB-C105162				08/01/08 01:14		
Antimony	0.574	mg/L	0.050	115	70	130			
Arsenic	0.599	mg/L	0.0010	116	70	130			
Barium	0.638	mg/L	0.10	114	70	130			
Beryllium	0.279	mg/L	0.010	111	70	130			
Cadmium	0.287	mg/L	0.010	115	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_19148		
Sample ID: C08070676-001HMS3	Sample Matrix Spike			Run: SUB-C105162			08/01/08 01:14		
Chromium	0.572	mg/L	0.050	113	70	130			
Copper	0.569	mg/L	0.010	114	70	130			
Lead	0.525	mg/L	0.050	105	70	130			
Manganese	3.00	mg/L	0.010	120	70	130			
Molybdenum	0.541	mg/L	0.10	108	70	130			
Nickel	0.570	mg/L	0.050	114	70	130			
Selenium	0.579	mg/L	0.0010	113	70	130			
Silver	0.0338	mg/L	0.010	68	70	130			S
Strontium	1.52	mg/L	0.10	147	70	130			S
Thallium	0.508	mg/L	0.10	102	70	130			
Uranium	0.586	mg/L	0.00030	113	70	130			
Zinc	0.597	mg/L	0.010	110	70	130			
Sample ID: C08070676-001HMSD3	Sample Matrix Spike Duplicate			Run: SUB-C105162			08/01/08 01:21		
Antimony	0.567	mg/L	0.050	113	70	130	1.3	20	
Arsenic	0.605	mg/L	0.0010	117	70	130	1	20	
Barium	0.628	mg/L	0.10	113	70	130	1.5	20	
Beryllium	0.280	mg/L	0.010	112	70	130	0.5	20	
Cadmium	0.285	mg/L	0.010	114	70	130	0.7	20	
Chromium	0.575	mg/L	0.050	114	70	130	0.4	20	
Copper	0.569	mg/L	0.010	114	70	130	0.1	20	
Lead	0.549	mg/L	0.050	110	70	130	4.4	20	
Manganese	3.01	mg/L	0.010	120	70	130	0.3	20	
Molybdenum	0.547	mg/L	0.10	109	70	130	1.1	20	
Nickel	0.569	mg/L	0.050	114	70	130	0.1	20	
Selenium	0.579	mg/L	0.0010	113	70	130	0	20	
Silver	0.0394	mg/L	0.010	79	70	130	15	20	
Strontium	1.54	mg/L	0.10	153	70	130	1.7	20	S
Thallium	0.539	mg/L	0.10	108	70	130	6	20	
Uranium	0.600	mg/L	0.00030	116	70	130	2.4	20	
Zinc	0.589	mg/L	0.010	109	70	130	1.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19224
Sample ID: MB-19224	Method Blank					Run: SUB-C104868			07/27/08 03:08
Uranium	2E-05	mg/L							
Sample ID: LCS1-19224	Laboratory Control Sample					Run: SUB-C104868			07/27/08 03:12
Uranium	0.0471	mg/L	0.00030	90	80	120			
Sample ID: R08070244-009I	Post Digestion Spike					Run: SUB-C104868			07/27/08 04:50
Uranium	0.0115	mg/L	0.00030	92	70	130			
Sample ID: R08070244-009I	Post Digestion Spike Duplicate					Run: SUB-C104868			07/27/08 04:54
Uranium	0.0115	mg/L	0.00030	91	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104869		
Sample ID: LRB	Method Blank		Run: SUB-C104869				07/25/08 17:21		
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	4E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	3E-06						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Manganese	ND	mg/L	6E-06						
Mercury	8E-05	mg/L	1E-05						
Molybdenum	ND	mg/L	9E-06						
Nickel	ND	mg/L	3E-05						
Uranium	ND	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Zinc	0.0002	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104869				07/25/08 17:28		
Aluminum	0.0620	mg/L	0.0010	124	85	115			S
Arsenic	0.0515	mg/L	0.0010	103	85	115			
Barium	0.0513	mg/L	0.0010	102	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Chromium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0520	mg/L	0.0010	104	85	115			
Lead	0.0514	mg/L	0.0010	103	85	115			
Manganese	0.0516	mg/L	0.0010	103	85	115			
Mercury	0.00522	mg/L	0.0010	103	85	115			
Molybdenum	0.0492	mg/L	0.0010	98	85	115			
Nickel	0.0514	mg/L	0.0010	103	85	115			
Uranium	0.0473	mg/L	0.00030	95	85	115			
Vanadium	0.0513	mg/L	0.0010	102	85	115			
Zinc	0.0545	mg/L	0.0010	109	85	115			
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C104869				07/25/08 17:28		
Thorium 232	0.0473	mg/L	0.0010	95	85	115			
Sample ID: R08070220-001C	Post Digestion Spike		Run: SUB-C104869				07/26/08 07:58		
Aluminum	0.0458	mg/L	0.10	92	70	130			
Arsenic	0.0671	mg/L	0.0010	101	70	130			
Barium	0.0654	mg/L	0.10	102	70	130			
Cadmium	0.0474	mg/L	0.010	95	70	130			
Chromium	0.0489	mg/L	0.050	98	70	130			
Copper	0.0513	mg/L	0.010	92	70	130			
Lead	0.0502	mg/L	0.050	100	70	130			
Manganese	1.51	mg/L	0.010	70	70	130			A
Mercury	0.00539	mg/L	0.0010	108	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.
S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8							Batch: C_R104869		
Sample ID: R08070220-001C	Post Digestion Spike		Run: SUB-C104869				07/26/08 07:58		
Molybdenum	0.0692	mg/L	0.10	99	70	130			
Nickel	0.0601	mg/L	0.050	96	70	130			
Thorium 232	0.0532	mg/L	0.0010	106	70	130			
Uranium	0.0669	mg/L	0.00030	108	70	130			
Vanadium	0.0503	mg/L	0.10	101	70	130			
Zinc	0.0555	mg/L	0.010	90	70	130			
Sample ID: R08070220-001C	Post Digestion Spike Duplicate		Run: SUB-C104869				07/26/08 08:05		
Aluminum	0.0459	mg/L	0.10	92	70	130	0	20	
Arsenic	0.0627	mg/L	0.0010	92	70	130	6.9	20	
Barium	0.0658	mg/L	0.10	102	70	130	0	20	
Cadmium	0.0476	mg/L	0.010	95	70	130	0.4	20	
Chromium	0.0452	mg/L	0.050	90	70	130	0	20	
Copper	0.0478	mg/L	0.010	85	70	130	7	20	
Lead	0.0505	mg/L	0.050	101	70	130	0.6	20	
Manganese	1.52	mg/L	0.010		70	130	0.8	20	A
Mercury	0.00553	mg/L	0.0010	111	70	130	2.6	20	
Molybdenum	0.0686	mg/L	0.10	98	70	130	0	20	
Nickel	0.0586	mg/L	0.050	93	70	130	2.5	20	
Thorium 232	0.0534	mg/L	0.0010	107	70	130	0.5	20	
Uranium	0.0669	mg/L	0.00030	108	70	130	0	20	
Vanadium	0.0468	mg/L	0.10	94	70	130	0	20	
Zinc	0.0501	mg/L	0.010	79	70	130	10	20	
Method: E200.8							Batch: C_R105162		
Sample ID: LRB	Method Blank		Run: SUB-C105162				07/31/08 12:55		
Silver	0.0004	mg/L	7E-06						
Sample ID: LFB	Laboratory Fortified Blank		Run: SUB-C105162				07/31/08 13:02		
Silver	0.0196	mg/L	0.0010	96	85	115			
Sample ID: C08070680-001CMS4	Post Digestion Spike		Run: SUB-C105162				07/31/08 18:14		
Silver	0.0137	mg/L	0.010	69	70	130			S
Sample ID: C08070707-001BMS4	Post Digestion Spike		Run: SUB-C105162				07/31/08 19:07		
Silver	0.119	mg/L	0.010	60	70	130			S
Sample ID: C08070707-001BMSD4	Post Digestion Spike Duplicate		Run: SUB-C105162				07/31/08 19:14		
Silver	0.122	mg/L	0.010	61	70	130	1.9	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1							Batch: B_33661		
Sample ID: MB-33661	Method Blank					Run: SUB-B114551			07/23/08 08:31
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33661	Laboratory Fortified Blank					Run: SUB-B114551			07/23/08 08:33
Mercury	0.0021	mg/L	0.0010	105	85	115			
Sample ID: B08071691-003AMS	Sample Matrix Spike					Run: SUB-B114551			07/23/08 08:38
Mercury	0.0019	mg/L	0.0010	97	70	130			
Sample ID: B08071691-003AMSD	Sample Matrix Spike Duplicate					Run: SUB-B114551			07/23/08 08:40
Mercury	0.0022	mg/L	0.0010	108	70	130	11	30	
Method: E245.1							Batch: C_B_33630		
Sample ID: MB-33630	Method Blank					Run: SUB-C104808			07/22/08 09:40
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33630	Laboratory Fortified Blank					Run: SUB-C104808			07/22/08 09:43
Mercury	0.0019	mg/L	0.0010	97	85	115			
Sample ID: B08071482-002BMS	Sample Matrix Spike					Run: SUB-C104808			07/22/08 10:15
Mercury	0.0018	mg/L	0.0010	92	70	130			
Sample ID: B08071482-002B MSD	Sample Matrix Spike Duplicate					Run: SUB-C104808			07/22/08 10:17
Mercury	0.0019	mg/L	0.0010	94	70	130	2.7	30	
Method: E245.1							Analytical Run: SUB-C104808		
Sample ID: QCS	Initial Calibration Verification Standard								07/22/08 09:25
Mercury	0.0020	mg/L	0.0010	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Batch: R36127		
Sample ID: LFB0807153729-3	Laboratory Fortified Blank			Run: DIONEX_080716A			07/16/08 08:56		
Chloride	4.80	mg/L	0.50	96	90	110			
Fluoride	1.81	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.37	mg/L	0.10	95	90	110			
Nitrogen, Nitrite as N	2.51	mg/L	0.10	100	90	110			
Sulfate	14.3	mg/L	1.0	96	90	110			
Sample ID: LFB0807153729-4	Laboratory Fortified Blank			Run: DIONEX_080716A			07/16/08 09:12		
Chloride	4.93	mg/L	0.50	99	90	110			
Fluoride	1.87	mg/L	0.10	94	90	110			
Nitrogen, Nitrate as N	2.44	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.58	mg/L	0.10	103	90	110			
Sulfate	14.7	mg/L	1.0	98	90	110			
Sample ID: LFB0807153729-5	Laboratory Fortified Blank			Run: DIONEX_080716A			07/16/08 09:29		
Chloride	4.94	mg/L	0.50	99	90	110			
Fluoride	1.87	mg/L	0.10	94	90	110			
Nitrogen, Nitrate as N	2.44	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.58	mg/L	0.10	103	90	110			
Sulfate	14.8	mg/L	1.0	98	90	110			
Sample ID: R08070220-001AMS	Sample Matrix Spike			Run: DIONEX_080716A			07/16/08 10:01		
Chloride	262	mg/L	5.4	95	80	120			
Fluoride	94.7	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	122	mg/L	1.3	98	80	120			
Nitrogen, Nitrite as N	130	mg/L	2.9	104	80	120			
Sulfate	2320	mg/L	3.4	84	80	120			
Sample ID: R08070220-001AMSD	Sample Matrix Spike Duplicate			Run: DIONEX_080716A			07/16/08 10:18		
Chloride	251	mg/L	5.4	90	80	120	4.3	10	
Fluoride	90.6	mg/L	0.56	81	80	120	4.5	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	94	80	120	4.1	10	
Nitrogen, Nitrite as N	124	mg/L	2.9	100	80	120	4.3	10	
Sulfate	2260	mg/L	3.4	75	80	120	2.8	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0							Batch: C_GrAB-0496		
Sample ID: MB-GrAB-0496	Method Blank				Run: SUB-C105636			08/09/08 00:01	
Gross Alpha	-0.04	pCi/L							U
Gross Beta	-2	pCi/L							U
Sample ID: UNAT-GrAB-0496	Laboratory Control Sample				Run: SUB-C105636			08/09/08 00:01	
Gross Alpha	140	pCi/L		104	70	130			
Sample ID: C08071218-007DMS	Sample Matrix Spike				Run: SUB-C105636			08/09/08 00:01	
Gross Beta	113	pCi/L		91	70	130			
Sample ID: C08071218-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-C105636			08/09/08 00:01	
Gross Beta	117	pCi/L		95	70	130	2.9	15.8	
Sample ID: R08070220-001H	Sample Duplicate				Run: SUB-C105636			08/09/08 12:18	
Gross Alpha	97	pCi/L					20	37.6	
Gross Beta	39	pCi/L					18	50.2	

Qualifiers:

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ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1							Batch: C_R104840		
Sample ID: LCS-R104840	Laboratory Control Sample			Run: SUB-C104840			07/17/08 13:12		
Americium 241	230000	pCi/L	20	75	70	130			
Cesium 137	460000	pCi/L	20	106	70	130			
Cobalt 60	320000	pCi/L	20	101	70	130			
Sample ID: MB-R104840	Method Blank			Run: SUB-C104840			07/17/08 13:12		
Americium 241	ND	pCi/L							
Barium 133	ND	pCi/L							
Bismuth 212	ND	pCi/L							
Bismuth 214	ND	pCi/L							
Cesium 134	ND	pCi/L							
Cesium 137	ND	pCi/L							
Cobalt 60	ND	pCi/L							
Iodine 125	ND	pCi/L							
Iodine 131	ND	pCi/L							
Lead 212	ND	pCi/L							
Lead 214	ND	pCi/L							
Manganese 54	ND	pCi/L							
Potassium 40	ND	pCi/L							
Radium 223	ND	pCi/L							
Radium 224	ND	pCi/L							
Thallium 208	ND	pCi/L							
Thorium 228	ND	pCi/L							
Thorium 234	ND	pCi/L							
Zinc 65	ND	pCi/L							
Radium 228	ND	pCi/L							
Gross Gamma	ND	pCi/L							U
Sample ID: R08070220-001H	Sample Duplicate			Run: SUB-C104840			07/17/08 13:12		
Americium 241	ND	pCi/L	20				0		30
Barium 133	ND	pCi/L	20				0		30
Bismuth 212	ND	pCi/L	20				0		30
Bismuth 214	81	pCi/L	20				2.6		30
Cesium 134	ND	pCi/L	20				0		30
Cesium 137	ND	pCi/L	20				0		30
Cobalt 60	ND	pCi/L	20				0		30
Iodine 125	ND	pCi/L	20				0		30
Iodine 131	ND	pCi/L	20				0		30
Lead 212	ND	pCi/L	20				0		30
Lead 214	47	pCi/L	20				3.3		30
Manganese 54	ND	pCi/L	20				0		30
Potassium 40	880	pCi/L	20				3.7		30
Radium 223	ND	pCi/L	20				0		30
Radium 224	ND	pCi/L	20				0		30

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1							Batch: C_R104840		
Sample ID: R08070220-001H	Sample Duplicate				Run: SUB-C104840		07/17/08 13:12		
Thallium 208	ND	pCi/L	20				0	30	
Thorium 228	ND	pCi/L	20				0	30	
Thorium 234	ND	pCi/L	20				0	30	
Zinc 65	ND	pCi/L	20				0	30	
Radium 228	ND	pCi/L	20				0	30	
Gross Gamma	1000	pCi/L	20				3.3	30	
Method: E903.0							Batch: C_19224		
Sample ID: C08070719-001EMS	Sample Matrix Spike				Run: SUB-C105486		08/06/08 15:36		
Radium 226	140	pCi/L		87	70	130			
Sample ID: C08070719-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C105486		08/06/08 15:36		
Radium 226	130	pCi/L		79	70	130	7.8	29.9	
Sample ID: MB-19224	Method Blank				Run: SUB-C105486		08/06/08 17:08		
Radium 226	-2	pCi/L							U
Sample ID: LCS-19224	Laboratory Control Sample				Run: SUB-C105486		08/06/08 17:08		
Radium 226	58	pCi/L		76	70	130			
Method: E903.0							Batch: C_RA226-2969		
Sample ID: MB-RA226-2969	Method Blank				Run: SUB-C105492		08/06/08 14:37		
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2969	Laboratory Control Sample				Run: SUB-C105492		08/06/08 14:37		
Radium 226	8.0	pCi/L		103	70	130			
Method: E907.0							Batch: C_19224		
Sample ID: C08070680-001IMS	Sample Matrix Spike				Run: SUB-C105794		08/04/08 22:05		
Thorium 230	19.8	pCi/L	0.20	88	70	130			
Sample ID: C08070680-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C105794		08/04/08 22:05		
Thorium 230	23.7	pCi/L	0.20	103	70	130	18	30	
Sample ID: LCS-19224	Laboratory Control Sample				Run: SUB-C105794		08/05/08 12:51		
Thorium 230	44.9	pCi/L	0.20	92	70	130			
Sample ID: MB-19224	Method Blank				Run: SUB-C105794		08/05/08 12:51		
Thorium 230	0.04	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0							Batch: C_RA-TH-ISO-0592		
Sample ID: LCS-RA-TH-ISO-0592	Laboratory Control Sample				Run: SUB-C105766			08/10/08 16:42	
Thorium 230	6.23	pCi/L	0.20	103	70	130			
Sample ID: C08070547-006HMS	Sample Matrix Spike				Run: SUB-C105766			08/10/08 16:46	
Thorium 230	17.2	pCi/L	0.20	105	70	130			
Sample ID: C08070547-006HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105766			08/10/08 16:47	
Thorium 230	16.0	pCi/L	0.20	98	70	130	7.3	30	
Sample ID: MB-RA-TH-ISO-0592	Method Blank				Run: SUB-C105766			08/08/08 23:51	
Thorium 230	-0.05	pCi/L							U
Method: E909.0M							Batch: C_19224		
Sample ID: C08070547-007IMS	Sample Matrix Spike				Run: SUB-C106081			07/29/08 09:30	
Lead 210	930	pCi/L		79	70	130			
Sample ID: C08070547-007IMSD	Sample Matrix Spike Duplicate				Run: SUB-C106081			07/29/08 09:30	
Lead 210	1400	pCi/L		117	70	130	39	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R106081	Method Blank				Run: SUB-C106081			07/29/08 09:30	
Lead 210	5	pCi/L							U
Sample ID: LCS-R106081	Laboratory Control Sample				Run: SUB-C106081			07/29/08 09:30	
Lead 210	110	pCi/L		87	70	130			
Method: E909.0M							Batch: C_R105965		
Sample ID: R08070244-003H	Sample Matrix Spike				Run: SUB-C105965			07/25/08 11:45	
Lead 210	510	pCi/L		88	70	130			
Sample ID: R08070244-003H	Sample Matrix Spike Duplicate				Run: SUB-C105965			07/25/08 11:45	
Lead 210	560	pCi/L		95	70	130	8	30	
Sample ID: R08070244-006H	Sample Duplicate				Run: SUB-C105965			07/25/08 11:45	
Lead 210	-3.1	pCi/L					43	30	R
Lead 210 MDC	9.2	pCi/L							
- The Sample and the Duplicate are both below the MDC; the RPD is acceptable.									
Sample ID: MB-R105965	Method Blank				Run: SUB-C105965			07/25/08 11:45	
Lead 210	-1	pCi/L							U
Sample ID: LCS-R105965	Laboratory Control Sample				Run: SUB-C105965			07/25/08 11:45	
Lead 210	130	pCi/L		110	70	130			

Qualifiers:

RL - Analyte reporting limit.

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Client: RESPEC Inc

Project: Edgemont

Report Date: 10/01/08

Work Order: R08070220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008							Batch: C_19224		
Sample ID: R08070244-009I	Sample Matrix Spike				Run: SUB-C105583		07/31/08 14:15		
Polonium 210	50	pCi/L	1.0	119	70	130			
Sample ID: R08070244-009I	Sample Matrix Spike Duplicate				Run: SUB-C105583		07/31/08 14:15		
Polonium 210	44	pCi/L	1.0	104	70	130	14	30	
Sample ID: LCS-R105583	Laboratory Control Sample				Run: SUB-C105583		07/31/08 14:15		
Polonium 210	80	pCi/L	1.0	93	70	130			
Sample ID: MB-R105583	Method Blank				Run: SUB-C105583		07/31/08 14:15		
Polonium 210	0.2	pCi/L							U
Method: RMO-3008							Batch: C_R106670		
Sample ID: C08070547-004HMS	Sample Matrix Spike				Run: SUB-C106670		08/21/08 17:30		
Polonium 210	80	pCi/L	1.0	72	70	130			
Sample ID: C08070547-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C106670		08/21/08 17:30		
Polonium 210	95	pCi/L	1.0	84	70	130	17	30	
Sample ID: LCS-R106670	Laboratory Control Sample				Run: SUB-C106670		08/21/08 17:30		
Polonium 210	42	pCi/L	1.0	76	70	130			
Sample ID: MB-R106670	Method Blank				Run: SUB-C106670		08/21/08 17:30		
Polonium 210	0.1	pCi/L							U
Method: SW7470A							Analytical Run: SUB-B114551		
Sample ID: QCS	Initial Calibration Verification Standard						07/23/08 08:21		
Mercury	0.0021	mg/L	0.0010	105	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name RESVER		Project Name, PWS, Permit, Etc. Powerful DB		Sample Origin State: SD	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address:		Contact Name: Cory Freeman @ resver.com		Phone/Fax:	Sampler: (Please Print) Eric Leane
Invoice Address:		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:
Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/MWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		Number of Containers Sample Type: AWS V B O Air Water Soils/Solids Vegetation Bioassay Other		ANALYSIS REQUESTED See Attached Normal Turnaround (TAT) RUSH	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) DeBurd GW302b		Collection Date 7/13/06	Collection Time 15:28	Comments: GW at 01-06 at 11	
1				On Ice: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2				Receipt Temp: 4.6 °C	
3				Cooler Dry: <input type="checkbox"/>	
4				Shipped by: _____	
5				Custody Seal: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
6				Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
7				Signature: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
8					
9					
10					
Custody Record Eric Leane		Redeemed by (print): Eric Leane	Date/Time: 7/14/06 07:39	Signature: Eric Leane	Date/Time: 7-14-06 8:00
Signed Eric Leane		Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory:	Signature: Eric Leane

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

October 03, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08070244 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 11 samples from RESPEC Inc on 7/15/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070244-001	DewBurd GW622	07/14/08 12:35	07/15/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08070244-002	DewBurd GW615	07/14/08 11:50	07/15/08	Aqueous	Same As Above
R08070244-003	DewBurd GW695	07/14/08 13:42	07/15/08	Aqueous	Same As Above
R08070244-004	DewBurd GW696	07/14/08 15:10	07/15/08	Aqueous	Same As Above
R08070244-005	DewBurd GW694	07/14/08 15:30	07/15/08	Aqueous	Same As Above
R08070244-006	DewBurd GW697	07/14/08 15:52	07/15/08	Aqueous	Same As Above
R08070244-007	DewBurd GW697	07/14/08 15:57	07/15/08	Aqueous	Same As Above
R08070244-008	DewBurd GW689	07/14/08 16:50	07/15/08	Aqueous	Same As Above
R08070244-009	DewBurd GW681	07/14/08 17:04	07/15/08	Aqueous	Same As Above
R08070244-010	DewBurd GW698	07/14/08 18:43	07/15/08	Aqueous	Same As Above



ANALYTICAL SUMMARY REPORT

R08070244-011 DewBurd BLK01

07/14/08 18:00 07/15/08

Aqueous

Metals by ICP/ICPMS, Dissolved
Metals by ICP/ICPMS, Suspended
Metals by ICP/ICPMS, Total
Alkalinity
Conductivity
Mercury, Total
Selenium, Dissolved
Selenium, Dissolved
Selenium, Dissolved
Anions by Ion Chromatography
Nitrogen, Ammonia
Oxidation Reduction Potential
pH
Digestion, Total Metals
Digestion, Total Metals
Dissolved Filtration
Digestion, Mercury by CVAA
Gross Alpha, Gross Beta
Gross Gamma, Dissolved
Lead 210, Dissolved
Lead 210, Suspended
Polonium 210, Dissolved
Polonium 210, Suspended
Radium 226, Dissolved
Radium 226, Suspended
Radon 222
Thorium, Isotopic
Thorium, Suspended Isotopic
Sodium Adsorption Ratio
Solids, Total Dissolved

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

Linda Larson

Rapid City - Project Manager



CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070244

Date: 03-Oct-08

CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 7/15/2008 8:00:00 AM. These samples were assigned ELI Workorder Number R08070244.

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except where noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.

- Any exceptions noted are listed in the Analytical Report

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

BRANCH LABORATORY IDENTIFIERS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C08070737

ANALYTICAL COMMENTS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.

End of comments imported for SUBBED Workorder: C08070737