ANALYTICAL SUMMARY REPORT

May 04, 2012

Cotter Corporation
0502 Fremont Cnty Rd 68
Canon City, CO 81212

Workorder No.: C12031040 Quote ID: C3386 - Schwartzwalder Mine

Project Name: Schwartz SW 3/27/12 S26426-S26433

Energy Laboratories, Inc. Casper WY received the following 8 samples for Cotter Corporation on 3/29/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12031040-001	SW AWD (S26426)	03/27/12 12:20	03/29/12	Aqueous	Metals by ICP/ICPMS, Dissolved Field Parameters
C12031040-002	SW A001 (S26427)	03/27/12 12:35	03/29/12	Aqueous	Same As Above
C12031040-003	SW BDIS (S26428)	03/27/12 14:50	03/29/12	Aqueous	Same As Above
C12031040-004	SW PL (S26429)	03/27/12 14:55	03/29/12	Aqueous	Same As Above
C12031040-005	SW OS (S26430)	03/28/12 09:45	03/29/12	Aqueous	Same As Above
C12031040-006	SW BOS (26431)	03/28/12 09:55	03/29/12	Aqueous	Same As Above
C12031040-007	SW GS (S26432)	03/28/12 11:55	03/29/12	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity QA Calculations Cyanide, Weak Acid Dissociable Mercury, Total Mercury Analysis Prep Field Parameters Fluoride E300.0 Anions Nitrogen, Nitrate + Nitrite Metals Preparation by EPA 200.2 Phosphate, Total Phosphorus, Total Gross Alpha, Gross Beta Radium 226, Dissolved Radium 226, Total Radium 228, Total Solids, Total Dissolved Solids, Total Suspended
C12031040-008	SW BPL (26433)	03/28/12 12:05	03/29/12	Aqueous	Metals by ICP/ICPMS, Dissolved Field Parameters

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

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

Report Approved By: Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.05.04 14:28:20 -06:00

CLIENT: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Sample Delivery Group: C12031040

Report Date: 05/04/12

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS
Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-001
Client Sample ID: SW AWD (S26426)

Report Date: 05/04/12
Collection Date: 03/27/12 12:20
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0017	mg/L		0.0002		E200.8	03/31/12 04:42 / sml
FIELD PARAMETERS							
Field Conductivity	208	umhos/cm				FIELD	03/27/12 12:20 / ***
Field pH	7.36	s.u.				FIELD	03/27/12 12:20 / ***
Field Temperature, C	5.7	°C				FIELD	03/27/12 12:20 / ***

*** Performed by Sampler

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-002
Client Sample ID: SW A001 (S26427)

Report Date: 05/04/12
Collection Date: 03/27/12 12:35
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0024	mg/L		0.0002		E200.8	03/31/12 04:46 / sml
FIELD PARAMETERS							
Field Conductivity	212	umhos/cm				FIELD	03/27/12 12:35 / ***
Field pH	7.70	s.u.				FIELD	03/27/12 12:35 / ***
Field Temperature, C	5.7	°C				FIELD	03/27/12 12:35 / ***

*** Performed by Sampler

Report Definitions:
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QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-003
Client Sample ID: SW BDIS (S26428)

Report Date: 05/04/12
Collection Date: 03/27/12 14:50
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0025	mg/L		0.0002		E200.8	03/31/12 04:50 / sml
FIELD PARAMETERS							
Field Conductivity	213	umhos/cm				FIELD	03/27/12 14:50 / ***
Field pH	7.87	s.u.				FIELD	03/27/12 14:50 / ***
Field Temperature, C	7.5	°C				FIELD	03/27/12 14:50 / ***

*** Performed by Sampler

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-004
Client Sample ID: SW PL (S26429)

Report Date: 05/04/12
Collection Date: 03/27/12 14:55
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0025	mg/L		0.0002		E200.8	03/31/12 05:11 / sml
FIELD PARAMETERS							
Field Conductivity	212	umhos/cm				FIELD	03/27/12 14:55 / ***
Field pH	8.02	s.u.				FIELD	03/27/12 14:55 / ***
Field Temperature, C	8.0	°C				FIELD	03/27/12 14:55 / ***

*** Performed by Sampler

Report Definitions:
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QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-005
Client Sample ID: SW OS (S26430)

Report Date: 05/04/12
Collection Date: 03/28/12 09:45
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0024	mg/L		0.0002		E200.8	03/31/12 05:15 / sml
FIELD PARAMETERS							
Field Conductivity	213	umhos/cm				FIELD	03/28/12 09:45 / ***
Field pH	7.37	s.u.				FIELD	03/28/12 09:45 / ***
Field Temperature, C	3.6	℃				FIELD	03/28/12 09:45 / ***

*** Performed by Sampler

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-006
Client Sample ID: SW BOS (26431)

Report Date: 05/04/12
Collection Date: 03/28/12 09:55
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0062	mg/L		0.0002		E200.8	03/31/12 05:19 / sml
FIELD PARAMETERS							
Field Conductivity	216	umhos/cm				FIELD	03/28/12 09:55 / ***
Field pH	7.42	s.u.				FIELD	03/28/12 09:55 / ***
Field Temperature, C	3.6	°C				FIELD	03/28/12 09:55 / ***

*** Performed by Sampler

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-007
Client Sample ID: SW GS (S26432)

Report Date: 05/04/12
Collection Date: 03/28/12 11:55
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Total as CaCO3	47	mg/L		1		A2320 B	03/30/12 17:48 / jba
Bicarbonate as HCO3	58	mg/L		1		A2320 B	03/30/12 17:48 / jba
Calcium	24.8	mg/L		0.1		E200.7	03/30/12 18:15 / sf
Chloride	30	mg/L		3		E300.0	04/05/12 12:41 / ljl
Fluoride	0.3	mg/L		0.1		A4500-F C	03/30/12 13:31 / jba
Magnesium	7.6	mg/L		0.1		E200.7	03/30/12 18:15 / sf
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	04/05/12 14:08 / eli-b
Phosphate, Total	0.03	mg/L		0.01		Calculation	04/11/12 07:08 / bal
Phosphorus, Total as P	ND	mg/L		0.01		E365.1	04/05/12 15:31 / eli-b
Potassium	1.6	mg/L		0.1		E200.7	03/30/12 18:15 / sf
Sodium	11.5	mg/L		0.1		E200.7	03/30/12 18:15 / sf
Sulfate	25	mg/L		5		E300.0	04/05/12 12:41 / ljl
NON-METALS							
Cyanide, Weak Acid Dissociable	ND	mg/L		0.002		D2036C	04/04/12 12:18 / eli-b
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	183	mg/L		10		A2540 C	03/30/12 14:13 / ab
Solids, Total Suspended TSS @ 105 C	ND	mg/L		4		A2540 D	04/02/12 14:09 / ab
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.2		E200.7	03/30/12 18:15 / sf
Antimony	ND	mg/L		0.001		E200.8	03/30/12 17:58 / smm
Copper	ND	mg/L		0.001		E200.8	03/30/12 17:58 / smm
Iron	0.03	mg/L		0.03		E200.7	03/30/12 18:15 / sf
Manganese	ND	mg/L		0.005		E200.7	03/30/12 18:15 / sf
Molybdenum	ND	mg/L		0.005		E200.7	03/30/12 18:15 / sf
Silver	ND	mg/L	D	0.00006		E200.8	04/06/12 10:42 / smm
Thallium	ND	mg/L		0.0002		E200.8	04/02/12 15:18 / smm
Uranium	0.0091	mg/L		0.0002		E200.8	04/03/12 14:49 / smm
Zinc	ND	mg/L		0.005		E200.8	03/30/12 17:58 / smm
METALS - TOTAL							
Aluminum	ND	mg/L		0.2		E200.8	04/04/12 23:19 / smm
Antimony	ND	mg/L		0.001		E200.8	04/04/12 23:19 / smm
Arsenic	ND	mg/L		0.001		E200.8	04/04/12 23:19 / smm
Boron	ND	mg/L		0.1		E200.8	04/06/12 21:36 / smm
Chromium	ND	mg/L		0.001		E200.8	04/06/12 21:36 / smm
Copper	0.001	mg/L		0.001		E200.8	04/04/12 23:19 / smm
Iron	0.20	mg/L		0.03		E200.8	04/06/12 21:36 / smm
Lead	ND	mg/L		0.005		E200.8	04/04/12 23:19 / smm
Manganese	0.005	mg/L		0.005		E200.8	04/04/12 23:19 / smm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-007
Client Sample ID: SW GS (S26432)

Report Date: 05/04/12
Collection Date: 03/28/12 11:55
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Mercury	ND	mg/L		0.0001		E245.1	04/04/12 10:02 / clh
Molybdenum	ND	mg/L		0.005		E200.8	04/04/12 23:19 / smm
Silver	ND	mg/L		0.00005		E200.8	04/04/12 23:19 / smm
Thallium	ND	mg/L		0.0002		E200.8	04/04/12 23:19 / smm
Uranium	0.0090	mg/L		0.0002		E200.8	04/04/12 23:19 / smm
Zinc	ND	mg/L	D	0.009		E200.8	04/04/12 23:19 / smm
RADIONUCLIDES - DISSOLVED							
Radium 226	0.47	pCi/L				E903.0	04/09/12 12:14 / lbb
Radium 226 precision (±)	0.16	pCi/L				E903.0	04/09/12 12:14 / lbb
Radium 226 MDC	0.17	pCi/L				E903.0	04/09/12 12:14 / lbb
RADIONUCLIDES - TOTAL							
Gross Alpha	4.3	pCi/L				E900.0	05/03/12 11:40 / ep
Gross Alpha precision (±)	1.1	pCi/L				E900.0	05/03/12 11:40 / ep
Gross Alpha MDC	1.5	pCi/L				E900.0	05/03/12 11:40 / ep
Gross Beta	4.3	pCi/L				E900.0	05/03/12 11:40 / ep
Gross Beta precision (±)	1.6	pCi/L				E900.0	05/03/12 11:40 / ep
Gross Beta MDC	2.5	pCi/L				E900.0	05/03/12 11:40 / ep
Radium 226	0.10	pCi/L	U			E903.0	04/11/12 06:20 / lbb
Radium 226 precision (±)	0.12	pCi/L				E903.0	04/11/12 06:20 / lbb
Radium 226 MDC	0.18	pCi/L				E903.0	04/11/12 06:20 / lbb
Radium 228	2.7	pCi/L				RA-05	04/05/12 10:16 / plj
Radium 228 precision (±)	0.81	pCi/L				RA-05	04/05/12 10:16 / plj
Radium 228 MDC	1.2	pCi/L				RA-05	04/05/12 10:16 / plj
DATA QUALITY							
A/C Balance (± 5)	1.41	%				Calculation	04/11/12 08:22 / kbh
Anions	2.34	meq/L				Calculation	04/11/12 08:22 / kbh
Cations	2.40	meq/L				Calculation	04/11/12 08:22 / kbh
Solids, Total Dissolved Calculated	147	mg/L				Calculation	04/11/12 08:22 / kbh
TDS Balance (0.80 - 1.20)	1.24					Calculation	04/11/12 08:22 / kbh
FIELD PARAMETERS							
Field Conductivity	258	umhos/cm				FIELD	03/28/12 11:55 / ***
Field pH	7.28	s.u.				FIELD	03/28/12 11:55 / ***
Field Temperature, C	6.1	°C				FIELD	03/28/12 11:55 / ***

*** Performed by Sampler

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.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Cotter Corporation
Project: Schwartz SW 3/27/12 S26426-S26433
Lab ID: C12031040-008
Client Sample ID: SW BPL (26433)

Report Date: 05/04/12
Collection Date: 03/28/12 12:05
DateReceived: 03/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.0110	mg/L		0.0002		E200.8	03/31/12 05:35 / sml
FIELD PARAMETERS							
Field Conductivity	251	umhos/cm				FIELD	03/28/12 12:05 / ***
Field pH	7.67	s.u.				FIELD	03/28/12 12:05 / ***
Field Temperature, C	6.7	°C				FIELD	03/28/12 12:05 / ***

*** Performed by Sampler

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R157972
Sample ID: MBLK	2	Method Blank				Run: MANTECH_120330B				03/30/12 15:42
Alkalinity, Total as CaCO3		3.33	mg/L	1.0						
Bicarbonate as HCO3		4.06	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120330B				03/30/12 15:57
Alkalinity, Total as CaCO3		202	mg/L	5.0	100	90	110			
Sample ID: C12031026-002AMS		Sample Matrix Spike				Run: MANTECH_120330B				03/30/12 16:40
Alkalinity, Total as CaCO3		440	mg/L	5.0	90	80	120			
Sample ID: C12031040-007BDUP	2	Sample Duplicate				Run: MANTECH_120330B				03/30/12 17:55
Alkalinity, Total as CaCO3		47.6	mg/L	5.0				0.2	10	
Bicarbonate as HCO3		58.0	mg/L	5.0				0.2	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: 120330_1_SLDS-TDS-W	
Sample ID: MBLK1_120330		Method Blank				Run: BAL-1_120330A			03/30/12 14:11	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS1_120330		Laboratory Control Sample				Run: BAL-1_120330A			03/30/12 14:11	
Solids, Total Dissolved TDS @ 180 C		1660	mg/L	10	99	90	110			
Sample ID: C12030981-001CDUP		Sample Duplicate				Run: BAL-1_120330A			03/30/12 14:12	
Solids, Total Dissolved TDS @ 180 C		435	mg/L	20				0.5	5	
Sample ID: C12031080-002AMS		Sample Matrix Spike				Run: BAL-1_120330A			03/30/12 14:14	
Solids, Total Dissolved TDS @ 180 C		2420	mg/L	10	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D									Batch: 120402_1_SLDS-TSS-W	
Sample ID: MBLK1_120402	Method Blank					Run: BAL-1_120402A			04/02/12 14:08	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	4.0						
Sample ID: LCS1_120402	Laboratory Control Sample					Run: BAL-1_120402A			04/02/12 14:08	
Solids, Total Suspended TSS @ 105 C		159	mg/L	6.0	79	60	110			
Sample ID: C12031040-007BDUP	Sample Duplicate					Run: BAL-1_120402A			04/02/12 14:09	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	4.0					5	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R157961
Sample ID: MBLK		Method Blank				Run: MANTECH_120330A				03/30/12 11:04
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6622		Laboratory Control Sample				Run: MANTECH_120330A				03/30/12 11:07
Fluoride		2.08	mg/L	0.10	104	90	110			
Sample ID: C12031026-003AMS		Sample Matrix Spike				Run: MANTECH_120330A				03/30/12 12:50
Fluoride		2.24	mg/L	0.10	102	80	120			
Sample ID: C12031026-003AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120330A				03/30/12 12:57
Fluoride		2.20	mg/L	0.10	100	80	120	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D2036C									Analytical Run: SUB-B182967	
Sample ID: ICV		Initial Calibration Verification Standard							04/04/12 11:13	
Cyanide, Weak Acid Dissociable		0.0991	mg/L	0.0050	99	90	110			
Method: D2036C									Batch: B_R182967	
Sample ID: C12031040-007H		Sample Matrix Spike				Run: SUB-B182967			04/04/12 12:21	
Cyanide, Weak Acid Dissociable		0.0988	mg/L	0.0050	99	80	120			
Sample ID: C12031040-007H		Sample Matrix Spike Duplicate				Run: SUB-B182967			04/04/12 12:23	
Cyanide, Weak Acid Dissociable		0.0977	mg/L	0.0050	98	80	120	1.1	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SUB-B182967			04/04/12 11:16	
Cyanide, Weak Acid Dissociable		0.101	mg/L	0.0050	101	90	110			
Sample ID: MB		Method Blank				Run: SUB-B182967			04/04/12 11:19	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0020						

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120330A	
Sample ID: ICV	8	Initial Calibration Verification Standard							03/30/12 14:59	
Aluminum		4.95	mg/L	0.10	99	95	105			
Calcium		49.7	mg/L	0.50	100	95	105			
Iron		5.05	mg/L	0.030	101	95	105			
Magnesium		48.4	mg/L	0.50	97	95	105			
Manganese		5.10	mg/L	0.010	102	95	105			
Molybdenum		0.999	mg/L	0.10	100	95	105			
Potassium		49.8	mg/L	2.7	100	95	105			
Sodium		51.4	mg/L	0.50	103	95	105			
Sample ID: ICSA	8	Interference Check Sample A							03/30/12 15:19	
Aluminum		551	mg/L	0.10	110	80	120			
Calcium		541	mg/L	0.50	108	80	120			
Iron		204	mg/L	0.030	102	80	120			
Magnesium		543	mg/L	0.50	109	80	120			
Manganese		-0.00480	mg/L	0.010						
Molybdenum		-0.0176	mg/L	0.10						
Potassium		0.00140	mg/L	0.50						
Sodium		0.0946	mg/L	0.50						
Sample ID: ICSAB	8	Interference Check Sample AB							03/30/12 15:23	
Aluminum		565	mg/L	0.10	113	80	120			
Calcium		561	mg/L	0.50	112	80	120			
Iron		211	mg/L	0.030	105	80	120			
Magnesium		579	mg/L	0.50	116	80	120			
Manganese		0.553	mg/L	0.010	111	80	120			
Molybdenum		-0.0208	mg/L	0.10						
Potassium		0.00260	mg/L	0.50						
Sodium		0.0536	mg/L	0.50						
Method: E200.7									Batch: R157971	
Sample ID: MB-120330A	8	Method Blank				Run: ICP2-C_120330A			03/30/12 15:44	
Aluminum		ND	mg/L	0.20						
Calcium		ND	mg/L	0.10						
Iron		ND	mg/L	0.030						
Magnesium		ND	mg/L	0.10						
Manganese		ND	mg/L	0.0050						
Molybdenum		ND	mg/L	0.0050						
Potassium		ND	mg/L	0.10						
Sodium		ND	mg/L	0.10						
Sample ID: LFB-120330A	8	Laboratory Fortified Blank				Run: ICP2-C_120330A			03/30/12 15:48	
Aluminum		0.956	mg/L	0.10	96	85	115			
Calcium		49.5	mg/L	0.50	99	85	115			
Iron		0.988	mg/L	0.030	99	85	115			
Magnesium		48.0	mg/L	0.50	96	85	115			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R157971
Sample ID: LFB-120330A	8	Laboratory Fortified Blank				Run: ICP2-C_120330A				03/30/12 15:48
Manganese		0.984	mg/L	0.010	98	85	115			
Molybdenum		0.981	mg/L	0.10	98	85	115			
Potassium		45.6	mg/L	0.50	91	85	115			
Sodium		48.7	mg/L	0.50	97	85	115			
Sample ID: C12031040-007CMS2	8	Sample Matrix Spike				Run: ICP2-C_120330A				03/30/12 18:32
Aluminum		1.00	mg/L	0.030	98	70	130			
Calcium		60.5	mg/L	1.0	70	70	130			
Iron		1.01	mg/L	0.030	96	70	130			
Magnesium		52.3	mg/L	1.0	88	70	130			
Manganese		0.992	mg/L	0.0010	97	70	130			
Molybdenum		0.970	mg/L	0.0036	95	70	130			
Potassium		45.8	mg/L	1.0	87	70	130			
Sodium		54.8	mg/L	1.0	85	70	130			
Sample ID: C12031040-007CMSD	8	Sample Matrix Spike Duplicate				Run: ICP2-C_120330A				03/30/12 18:36
Aluminum		0.978	mg/L	0.030	96	70	130	2.5	20	
Calcium		61.4	mg/L	1.0	72	70	130	1.5	20	
Iron		1.01	mg/L	0.030	96	70	130	0.1	20	
Magnesium		53.0	mg/L	1.0	89	70	130	1.4	20	
Manganese		0.987	mg/L	0.0010	97	70	130	0.5	20	
Molybdenum		0.978	mg/L	0.0036	96	70	130	0.8	20	
Potassium		46.8	mg/L	1.0	89	70	130	2.2	20	
Sodium		55.4	mg/L	1.0	86	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120403A	
Sample ID: ICV	Initial Calibration Verification Standard								04/03/12 13:24	
Uranium		0.0486	mg/L	0.00030	97	90	110			
Method: E200.8									Batch: R158071	
Sample ID: LRB	Method Blank					Run: ICPMS2-C_120403A			04/03/12 13:48	
Uranium		ND	mg/L	0.00020						
Sample ID: LFB	Laboratory Fortified Blank					Run: ICPMS2-C_120403A			04/03/12 13:51	
Uranium		0.0504	mg/L	0.00030	101	85	115			
Sample ID: C12040033-002AMS4	Sample Matrix Spike					Run: ICPMS2-C_120403A			04/03/12 15:28	
Uranium		1.74	mg/L	0.00030		70	130			A
Sample ID: C12040033-002AMSD	Sample Matrix Spike Duplicate					Run: ICPMS2-C_120403A			04/03/12 15:42	
Uranium		1.88	mg/L	0.00030		70	130	7.9	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.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120404A	
Sample ID: ICV	11	Initial Calibration Verification Standard							04/04/12 20:06	
Aluminum		0.0477	mg/L	0.0010	95	90	110			
Antimony		0.0488	mg/L	0.0010	98	90	110			
Arsenic		0.0485	mg/L	0.0010	97	90	110			
Copper		0.0496	mg/L	0.0010	99	90	110			
Lead		0.0492	mg/L	0.0010	98	90	110			
Manganese		0.0499	mg/L	0.0010	100	90	110			
Molybdenum		0.0498	mg/L	0.0010	100	90	110			
Silver		0.0197	mg/L	0.0010	99	90	110			
Thallium		0.0491	mg/L	0.0010	98	90	110			
Uranium		0.0513	mg/L	0.00030	103	90	110			
Zinc		0.0492	mg/L	0.0010	98	90	110			
Method: E200.8									Batch: 33224	
Sample ID: MB-33224	11	Method Blank				Run: ICPMS2-C_120404A			04/04/12 23:02	
Aluminum		ND	mg/L	0.20						
Antimony		ND	mg/L	0.0010						
Arsenic		ND	mg/L	0.0010						
Copper		ND	mg/L	0.0010						
Lead		ND	mg/L	0.0050						
Manganese		ND	mg/L	0.0050						
Molybdenum		ND	mg/L	0.0050						
Silver		0.000492	mg/L	5.0E-05						
Thallium		ND	mg/L	0.00020						
Uranium		ND	mg/L	0.00020						
Zinc		ND	mg/L	0.0050						
Sample ID: LCS3-33224	11	Laboratory Control Sample				Run: ICPMS2-C_120404A			04/04/12 23:05	
Aluminum		2.39	mg/L	0.030	95	85	115			
Antimony		0.524	mg/L	0.0010	105	85	115			
Arsenic		0.523	mg/L	0.0010	104	85	115			
Copper		0.490	mg/L	0.0050	98	85	115			
Lead		0.518	mg/L	0.0010	104	85	115			
Manganese		2.40	mg/L	0.0010	96	85	115			
Molybdenum		0.550	mg/L	0.0010	110	85	115			
Silver		0.0518	mg/L	0.0010	103	85	115			
Thallium		0.504	mg/L	0.00050	101	85	115			
Uranium		0.555	mg/L	0.00030	111	85	115			
Zinc		0.490	mg/L	0.010	98	85	115			
Sample ID: C12031040-007DMS3	11	Sample Matrix Spike				Run: ICPMS2-C_120404A			04/04/12 23:22	
Aluminum		2.43	mg/L	0.030	92	70	130			
Antimony		0.518	mg/L	0.0010	104	70	130			
Arsenic		0.509	mg/L	0.0010	102	70	130			
Copper		0.472	mg/L	0.0050	94	70	130			
Lead		0.515	mg/L	0.0010	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 33224
Sample ID: C12031040-007DMS3	11	Sample Matrix Spike				Run: ICPMS2-C_120404A				04/04/12 23:22
Manganese		2.33	mg/L	0.0010	93	70	130			
Molybdenum		0.548	mg/L	0.0010	109	70	130			
Silver		0.0501	mg/L	0.0010	100	70	130			
Thallium		0.500	mg/L	0.00050	100	70	130			
Uranium		0.567	mg/L	0.00030	112	70	130			
Zinc		0.464	mg/L	0.010	93	70	130			
Sample ID: C12031040-007DMSD	11	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120404A				04/04/12 23:24
Aluminum		2.42	mg/L	0.030	91	70	130	0.5	20	
Antimony		0.515	mg/L	0.0010	103	70	130	0.6	20	
Arsenic		0.502	mg/L	0.0010	100	70	130	1.4	20	
Copper		0.466	mg/L	0.0050	93	70	130	1.3	20	
Lead		0.508	mg/L	0.0010	102	70	130	1.3	20	
Manganese		2.31	mg/L	0.0010	92	70	130	0.9	20	
Molybdenum		0.537	mg/L	0.0010	107	70	130	1.9	20	
Silver		0.0501	mg/L	0.0010	100	70	130	0.1	20	
Thallium		0.495	mg/L	0.00050	99	70	130	1.0	20	
Uranium		0.562	mg/L	0.00030	111	70	130	0.8	20	
Zinc		0.460	mg/L	0.010	92	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Analytical Run: ICPMS4-C_120330A
Sample ID: ICV	3	Initial Calibration Verification Standard								03/30/12 13:28
Antimony		0.0517	mg/L	0.0010	103	90	110			
Copper		0.0506	mg/L	0.0010	101	90	110			
Zinc		0.0508	mg/L	0.0010	101	90	110			
Method: E200.8										Batch: R157985A
Sample ID: C12031040-007CMS4	3	Sample Matrix Spike				Run: ICPMS4-C_120330A				03/30/12 18:05
Antimony		0.0544	mg/L	0.0010	108	70	130			
Copper		0.0506	mg/L	0.0050	100	70	130			
Zinc		0.0548	mg/L	0.010	104	70	130			
Sample ID: C12031040-007CMSD	3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120330A				03/30/12 18:12
Antimony		0.0569	mg/L	0.0010	113	70	130	4.5	20	
Copper		0.0528	mg/L	0.0050	104	70	130	4.4	20	
Zinc		0.0577	mg/L	0.010	110	70	130	5.0	20	
Sample ID: LRB	3	Method Blank				Run: ICPMS4-C_120330A				03/30/12 14:52
Antimony		ND	mg/L	0.0010						
Copper		ND	mg/L	0.0010						
Zinc		ND	mg/L	0.0050						
Sample ID: LFB	3	Laboratory Fortified Blank				Run: ICPMS4-C_120330A				03/30/12 14:58
Antimony		0.0559	mg/L	0.0010	111	85	115			
Copper		0.0553	mg/L	0.0010	111	85	115			
Zinc		0.0567	mg/L	0.0010	113	85	115			
Method: E200.8										Analytical Run: ICPMS4-C_120330B
Sample ID: ICV		Initial Calibration Verification Standard								03/30/12 22:14
Uranium		0.0524	mg/L	0.00030	105	90	110			
Method: E200.8										Batch: R157987
Sample ID: LRB		Method Blank				Run: ICPMS4-C_120330B				03/30/12 22:46
Uranium		ND	mg/L	0.00020						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS4-C_120330B				03/30/12 22:51
Uranium		0.0565	mg/L	0.00030	113	85	115			
Sample ID: C12031040-006AMS4		Sample Matrix Spike				Run: ICPMS4-C_120330B				03/31/12 05:23
Uranium		0.0568	mg/L	0.00030	101	70	130			
Sample ID: C12031040-006AMSD		Sample Matrix Spike Duplicate				Run: ICPMS4-C_120330B				03/31/12 05:27
Uranium		0.0578	mg/L	0.00030	103	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120402A	
Sample ID: ICV	Initial Calibration Verification Standard								04/02/12 13:41	
Thallium		0.0503	mg/L	0.0010	101	90	110			
Method: E200.8									Batch: R158020A	
Sample ID: C12031079-002CMS4	Sample Matrix Spike					Run: ICPMS4-C_120402A			04/02/12 16:07	
Thallium		0.0506	mg/L	0.00050	101	70	130			
Sample ID: C12031079-002CMSD	Sample Matrix Spike Duplicate					Run: ICPMS4-C_120402A			04/02/12 16:13	
Thallium		0.0522	mg/L	0.00050	104	70	130	3.1	20	
Sample ID: LRB	Method Blank					Run: ICPMS4-C_120402A			04/02/12 14:36	
Thallium		ND	mg/L	0.00020						
Sample ID: LFB	Laboratory Fortified Blank					Run: ICPMS4-C_120402A			04/02/12 16:27	
Thallium		0.0462	mg/L	0.0010	92	85	115			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120405A	
Sample ID: ICV	4	Initial Calibration Verification Standard							04/05/12 13:40	
Boron		0.0513	mg/L	0.0010	103	90	110			
Chromium		0.0502	mg/L	0.0010	100	90	110			
Iron		1.04	mg/L	0.0010	104	90	110			
Silver		0.0202	mg/L	0.0010	101	90	110			
Method: E200.8									Batch: 33224	
Sample ID: MB-33224	3	Method Blank				Run: ICPMS4-C_120405A			04/06/12 20:27	
Boron		ND	mg/L	0.10						
Chromium		ND	mg/L	0.0010						
Iron		ND	mg/L	0.030						
Sample ID: LCS3-33224	3	Laboratory Control Sample				Run: ICPMS4-C_120405A			04/06/12 20:34	
Boron		0.566	mg/L	0.050	107	85	115			
Chromium		0.537	mg/L	0.0050	107	85	115			
Iron		2.44	mg/L	0.030	98	85	115			
Sample ID: C12031040-007DMS3	3	Sample Matrix Spike				Run: ICPMS4-C_120405A			04/06/12 21:42	
Boron		0.560	mg/L	0.050	110	70	130			
Chromium		0.525	mg/L	0.0050	105	70	130			
Iron		2.59	mg/L	0.030	96	70	130			
Sample ID: C12031040-007DMSD	3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120405A			04/06/12 21:49	
Boron		0.565	mg/L	0.050	111	70	130	1.0	20	
Chromium		0.531	mg/L	0.0050	106	70	130	1.2	20	
Iron		2.56	mg/L	0.030	94	70	130	1.2	20	
Method: E200.8									Batch: R158147A	
Sample ID: LRB		Method Blank				Run: ICPMS4-C_120405A			04/05/12 14:36	
Silver		ND	mg/L	5.0E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS4-C_120405A			04/05/12 14:43	
Silver		0.0203	mg/L	0.0010	102	85	115			
Sample ID: C12040077-001BMS4		Sample Matrix Spike				Run: ICPMS4-C_120405A			04/06/12 10:22	
Silver		0.0119	mg/L	0.0010	60	70	130			S
Sample ID: C12040077-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS4-C_120405A			04/06/12 10:28	
Silver		0.0119	mg/L	0.0010	59	70	130	0.3	20	S

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Analytical Run: CVAA_C203_120404A	
Sample ID: ICV		Initial Calibration Verification Standard							04/04/12 09:18	
Mercury		0.00513	mg/L	0.00020	103	90	110			
Sample ID: CCV1		Continuing Calibration Verification Standard							04/04/12 09:23	
Mercury		0.00510	mg/L	0.00020	102	95	105			
Method: E245.1									Batch: 33210	
Sample ID: MB-33210		Method Blank				Run: CVAA_C203_120404A			04/04/12 09:59	
Mercury		ND	mg/L	0.00010						
Sample ID: LCS-33210		Laboratory Control Sample				Run: CVAA_C203_120404A			04/04/12 10:00	
Mercury		0.00520	mg/L	0.00010	104	85	115			
Sample ID: C12031040-007DMS		Sample Matrix Spike				Run: CVAA_C203_120404A			04/04/12 10:06	
Mercury		0.00488	mg/L	0.00010	98	70	130			
Sample ID: C12031040-007DMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120404A			04/04/12 10:08	
Mercury		0.00490	mg/L	0.00010	98	70	130	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC2-C_120404A	
Sample ID: ICV-040412-10	2	Initial Calibration Verification Standard							04/04/12 13:56	
Chloride		9.90	mg/L	1.0	99	90	110			
Sulfate		39.5	mg/L	1.0	99	90	110			
Sample ID: ICB2-040412-12	2	Initial Calibration Blank, Instrument Blank							04/04/12 14:26	
Chloride		-0.0400	mg/L	1.0		0	0			
Sulfate		0.117	mg/L	1.0		0	0			
Method: E300.0									Batch: R158139	
Sample ID: ICB-040412-11	2	Method Blank				Run: IC2-C_120404A			04/04/12 14:11	
Chloride		ND	mg/L	3.0						
Sulfate		ND	mg/L	5.0						
Sample ID: LFB-040412-13	2	Laboratory Fortified Blank				Run: IC2-C_120404A			04/04/12 14:42	
Chloride		10.0	mg/L	1.0	100	90	110			
Sulfate		39.6	mg/L	1.0	99	90	110			
Sample ID: LFBD-040412-14	2	Laboratory Fortified Blank Duplicate				Run: IC2-C_120404A			04/04/12 14:57	
Chloride		10.1	mg/L	1.0	102	90	110	1.3	10	
Sulfate		40.1	mg/L	1.0	100	90	110	1.3	10	
Sample ID: C12031029-001AMS	2	Sample Matrix Spike				Run: IC2-C_120404A			04/05/12 11:00	
Chloride		59.4	mg/L	1.0	103	90	110			
Sulfate		221	mg/L	4.0	101	90	110			
Sample ID: C12031029-001AMSD	2	Sample Matrix Spike Duplicate				Run: IC2-C_120404A			04/05/12 11:14	
Chloride		59.2	mg/L	1.0	102	90	110	0.4	10	
Sulfate		218	mg/L	4.0	100	90	110	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: SUB-B183037	
Sample ID: ICV	Initial Calibration Verification Standard								04/05/12 12:24	
Nitrogen, Nitrate+Nitrite as N		22.0	mg/L	0.20	101	90	110			
Method: E353.2									Batch: B_R183037	
Sample ID: MBLK	Method Blank					Run: SUB-B183037			04/05/12 12:25	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LFB	Laboratory Fortified Blank					Run: SUB-B183037			04/05/12 12:26	
Nitrogen, Nitrate+Nitrite as N		1.02	mg/L	0.010	103	90	110			
Sample ID: B12040302-001DMS	Sample Matrix Spike					Run: SUB-B183037			04/05/12 14:21	
Nitrogen, Nitrate+Nitrite as N		1.12	mg/L	0.010	104	90	110			
Sample ID: B12040302-001DMSD	Sample Matrix Spike Duplicate					Run: SUB-B183037			04/05/12 14:22	
Nitrogen, Nitrate+Nitrite as N		1.13	mg/L	0.010	104	90	110	0.4	10	
Sample ID: B12040212-008DMS	Sample Matrix Spike					Run: SUB-B183037			04/05/12 13:56	
Nitrogen, Nitrate+Nitrite as N		0.871	mg/L	0.010	81	90	110			S
Sample ID: B12040212-008DMSD	Sample Matrix Spike Duplicate					Run: SUB-B183037			04/05/12 13:57	
Nitrogen, Nitrate+Nitrite as N		0.873	mg/L	0.010	82	90	110	0.2	10	S

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1									Analytical Run: SUB-B183042	
Sample ID: ICV	Initial Calibration Verification Standard								04/05/12 12:11	
Phosphorus, Total as P		0.236	mg/L	0.0050	94	90	110			
Method: E365.1									Batch: B_61465	
Sample ID: MB-61465	Method Blank					Run: SUB-B183042			04/05/12 15:25	
Phosphorus, Total as P		ND	mg/L	0.010						
Sample ID: LFB-61465	Laboratory Fortified Blank					Run: SUB-B183042			04/05/12 15:26	
Phosphorus, Total as P		0.199	mg/L	0.0050	100	90	110			
Sample ID: B12040368-001BMS	Sample Matrix Spike					Run: SUB-B183042			04/05/12 15:48	
Phosphorus, Total as P		2.42	mg/L	0.025	115	90	110			S
Sample ID: B12040368-001BMSD	Sample Matrix Spike Duplicate					Run: SUB-B183042			04/05/12 15:49	
Phosphorus, Total as P		2.39	mg/L	0.025	112	90	110	1.2	10	S
Sample ID: C12031085-002G	Sample Matrix Spike					Run: SUB-B183042			04/05/12 15:28	
Phosphorus, Total as P		0.206	mg/L	0.0050	103	90	110			
Sample ID: C12031085-002G	Sample Matrix Spike Duplicate					Run: SUB-B183042			04/05/12 15:29	
Phosphorus, Total as P		0.209	mg/L	0.0050	104	90	110	1.4	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-1265
Sample ID: MB-GrAB-1265	6	Method Blank				Run: G542M_120425B				05/02/12 23:31
Gross Alpha		-1.48	pCi/L							U
Gross Alpha precision (±)		0.601	pCi/L							
Gross Alpha MDC		1.15	pCi/L							
Gross Beta		-0.609	pCi/L							U
Gross Beta precision (±)		1.46	pCi/L							
Gross Beta MDC		2.47	pCi/L							
Sample ID: Th230-GrAB-1265		Laboratory Control Sample				Run: G542M_120425B				05/02/12 23:31
Gross Alpha		105	pCi/L		104	80	120			
Sample ID: Cs137-GrAB-1265		Laboratory Control Sample				Run: G542M_120425B				05/02/12 23:31
Gross Beta		155	pCi/L		97	80	120			
Sample ID: C12030619-001DDUP	6	Sample Duplicate				Run: G542M_120425B				05/02/12 23:31
Gross Alpha		150	pCi/L					0.6	21	
Gross Alpha precision (±)		8.27	pCi/L							
Gross Alpha MDC		6.04	pCi/L							
Gross Beta		81.1	pCi/L					4.1	19.5	
Gross Beta precision (±)		3.80	pCi/L							
Gross Beta MDC		4.24	pCi/L							
Sample ID: C12031035-001EMS		Sample Matrix Spike				Run: G542M_120425B				05/02/12 23:31
Gross Alpha		116	pCi/L		111	70	130			
Sample ID: C12031035-001EMSD		Sample Matrix Spike Duplicate				Run: G542M_120425B				05/02/12 23:31
Gross Alpha		133	pCi/L		127	70	130	13	16	
Sample ID: C12031035-001EMS		Sample Matrix Spike				Run: G542M_120425B				05/03/12 11:40
Gross Beta		163	pCi/L		98	70	130			
Sample ID: C12031035-001EMSD		Sample Matrix Spike Duplicate				Run: G542M_120425B				05/03/12 11:40
Gross Beta		170	pCi/L		102	70	130	4.0	14.2	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-5911
Sample ID: LCS-RA226-5911		Laboratory Control Sample				Run: BERTHOLD 770-1_120330B				04/10/12 15:30
Radium 226		6.6	pCi/L		106	80	120			
Sample ID: MB-RA226-5911	3	Method Blank				Run: BERTHOLD 770-1_120330B				04/10/12 15:30
Radium 226		-0.039	pCi/L							U
Radium 226 precision (±)		0.094	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Sample ID: C12030964-001DMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120330B				04/10/12 15:30
Radium 226		14.5	pCi/L		117	70	130			
Sample ID: C12030964-001DMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120330B				04/10/12 17:04
Radium 226		11.7	pCi/L		91	70	130	21	26.4	
Method: E903.0										Batch: RA226-5912
Sample ID: LCS-RA226-5912		Laboratory Control Sample				Run: G542M_120330C				04/09/12 12:14
Radium 226		6.2	pCi/L		96	80	120			
Sample ID: MB-RA226-5912	3	Method Blank				Run: G542M_120330C				04/09/12 12:14
Radium 226		0.068	pCi/L							U
Radium 226 precision (±)		0.11	pCi/L							
Radium 226 MDC		0.16	pCi/L							
Sample ID: C12031015-001EMS		Sample Matrix Spike				Run: G542M_120330C				04/09/12 12:14
Radium 226		13.1	pCi/L		99	70	130			
Sample ID: C12031015-001EMSD		Sample Matrix Spike Duplicate				Run: G542M_120330C				04/09/12 12:14
Radium 226		12.9	pCi/L		98	70	130	1.1	24.2	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Cotter Corporation **Report Date:** 05/04/12

Project: Schwartz SW 3/27/12 S26426-S26433 **Work Order:** C12031040

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-4055
Sample ID: LCS-228-RA226-5911		Laboratory Control Sample				Run: TENNELEC-3_120330B				04/05/12 10:16
Radium 228		6.35	pCi/L		99	80	120			
Sample ID: MB-RA226-5911	3	Method Blank				Run: TENNELEC-3_120330B				04/05/12 10:16
Radium 228		0.328	pCi/L							U
Radium 228 precision (±)		0.681	pCi/L							
Radium 228 MDC		1.12	pCi/L							
Sample ID: C12031040-007FMS		Sample Matrix Spike				Run: TENNELEC-3_120330B				04/05/12 10:17
Radium 228		13.9	pCi/L		93	70	130			
Sample ID: C12031040-007FMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_120330B				04/05/12 10:17
Radium 228		15.0	pCi/L		101	70	130	7.7	37	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist

Cotter Corporation

C12031040

Login completed by: Corinne Wagner
Date Received: 3/29/2012
Reviewed by: Tessa Parke
Received by: kg
Reviewed Date: 4/2/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	5.4°C		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

PLEASE PRINT; provide as much information as possible. Refer to corresponding notes on reverse side. Page 1 of 1

Company Name: Cotter Corporation Tracking No.5088 8525 4814	Project Name: **Schwartz - [redacted]** DATE: 3/27/12 SSTF: S26426--S26433	
Report Mail Address: Cotter Corporation - Canon City Mill PO Box 1750; Canon City, CO 81215-1750	Contact Name: Randy Whicker Voice: 1-719-275-7413 ext. 210	Sampler Name if other than Contact: 1-303-642-3893 mine phone Bob Tennant 1-719-371-3009-cell
Invoice Address: PO Box 1750 Canon City, CO 81215-1750	Invoice Contact: JoAnne Ary Tel: 1-719-275-7413 ext. 209 Fax: 1-719-275-1669	Purchase Order #: ELI Quote #: FE-EX

Report Required For: POTW/WWTP ☐ Other _____

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

NELAC ☐ A2LA ☐ Level IV ☐

Other

EDD/EDT ☐ Format

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	U - dissolved only - CODE #1	U - total & dissolved - CODE #3	Ra-226 total & dissolved CODE#3	SEE ATTACHED TABLE 1							Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments	
1	SW AWD	3/27/12	12:20	Water 1	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	
2	SW AOO1	3/27/12	12:35	Water 1	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	
3	SW BDIS	3/27/12	14:50	Water 1	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	
4	SW PL	3/27/12	14:55	Water 1	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	
5	SW OS	3/28/12	9:45	Water 1	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	C12031040
6	SW BOS	3/28/12	9:55	Water 1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	
7	SW GS	3/28/12	11:55	Water 7	☒	☐	☐	☒	☐	☐	☐	☐	☐	☐	☒	☐	Table 1	
8	SW BPL	3/28/12	12:05	Water 1	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	Code 1	
9					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
10					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

S&A Schedule Code :
SW CODE [redacted] 1
Table 1
Frequency [redacted] 1,

Receipt Temp 5.4 °C
Cooler ID(s) Client
Custody Seal Y / N
Intact Y / N
Signature Y / N
Match LAB ID Y / N

Custody Record MUST be Signed		
Relinquished by: Bob Tennant Date/Time:3/28/12 16:30	Shipped by: FedEx	Received by: Date/Time:
Relinquished by: Date/Time:	Shipped by:	Received by: K.Gosse Date/Time:3-29-12 9:45
Sample Disposal: Return to Client ☐	Lab Disposal ☒	LABORATORY USE ONLY Sample Type _____ # of fractions ___

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal No. S26427

C: P.O. Box 1750, Cañon City, CO 81215 **S:** P.O. Box 1750, Cañon City, CO 81215 **N:** P.O. Box 700, Nucla, CO 81424

Sample Loc./ID No. SW A001 **Lab. No.(s)** _____

Sample Date 3-27-12 **Time** _____ **Date Data Entered** _____

Collected By Bob Tennant **Data Entry By** _____

Field Custodian Bob Tennant **Laboratory Destination if not Cotter:** Energy Laboratories Inc 2393 Salt Creek Hwy. Casper, WY 82601

	Cotter	Off-Site Destination
Delivered By	Bob Tennant	FedEx
Received By	FedEx	FEDEX
Date Recd.	3.29.12	
Time Recd.	7:45	Kris Gross

1. **Sample Type:** Air _____ Water 1 Soil _____ Other (specify): _____
2. **Analysis – Test series requested:** Code 1
3. **Field Data – Preservation:** T = 5.7 pH 7.70 Cond. 212 Sal. = Hardness 4.85 Sal. = , 0.5 L HNO3 2.50 Staff 1.46
4. **Date analysis required by (if not Holding Time):** _____
5. **Special handling conditions or other instructions:** _____
6. **Invalidating circumstances?** **If YES initial (** **) and explain below.**

COMMENTS – Explanation of noted items: _____

( ) **Check if additional attachments.**

QA Review:

Sample valid? **YES (** **) NO (** **) If NO, explain:** _____

QAC _____ **Date** _____

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal S26428

C: P.O. Box 1750, Cañon City, CO 81215 **S:** P.O. Box 1750, Cañon City, CO 81215 **N:** P.O. Box 700, Nucla, CO 81424

Sample Loc./ID No. SW BDI C **Lab. No.(s)**

Sample Date 3-27-12 **Time** 14:50 **Date Data Entered**

Collected By Bob Tennant **Data Entry By**

Field Custodian Bob Tennant **Laboratory Destination if not Cotter:**

Energy Laboratories Inc.
2393 Salt Creek Hwy.
Casper, WY. 82601

	Cotter	Off-Site Destination
Delivered By	Bob Tennant	FedEx
Received By	FedEx	FedEx
Date Recd.	3-28-12	
Time Recd.	7:45	Kris Cox

1. **Sample Type:** Air ____ Water 1 Soil ____ Other (specify): 1 Cubitainer
2. **Analysis – Test series requested:** Code 1
3. **Field Data – Preservation:** T° 7.5° pH 7.87 Cond 213 uSohms rinse cond. 238 uSohms, 0.5 L HNO3 2.5 mL Staff 0.95°
4. **Date analysis required by (if not Holding Time):**
5. **Special handling conditions or other instructions:**
6. **Invalidating circumstances?** **If YES initial (** **) and explain below.**

COMMENTS – Explanation of noted items:

( ) **Check if additional attachments.**

QA Review:

Sample valid? **YES (** **) NO (** **) If NO, explain:**

QAC **Date**

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal No S26429

C: P.O. Box 1750, Cañon City, CO 81215 **S:** P.O. Box 1750, Cañon City, CO 81215 **N:** P.O. Box 700, Nucla, CO 81424

Sample Loc./ID No. SW PL **Lab. No.(s)** _____

Sample Date 3-27-12 **Time** 14:55 **Date Data Entered** _____

Collected By Bob Tonnacliff **Data Entry By** _____

Field Custodian Bob Tonnacliff **Laboratory Destination if not Cotter:** Energy Laboratories Inc. 2393 Salt Creek Hwy. Casper, WY. 82601

	Cotter	Off-Site Destination
Delivered By	Tonnacliff	Fedex
Received By	Fedex	Ft - Ex:
Date Recd.	3 29 12	
Time Recd.	9:45	Kris Circ

1. **Sample Type:** Air _____ Water 1 Gallon Soil _____ Other (specify): _____
2. **Analysis – Test series requested:** Col 1
3. **Field Data – Preservation:** T° 8.0 pH 8.02 Cond 212 uS/cm Rinse Cond. 2.72 uS/cm, 0.5 mL HNO3 to pH < 2 Staff 1.5-5
4. **Date analysis required by (if not Holding Time):** _____
5. **Special handling conditions or other instructions:** _____
6. **Invalidating circumstances?** **If YES initial (** **) and explain below.**

COMMENTS – Explanation of noted items: _____

( ) **Check if additional attachments.**

QA Review:

Sample valid? **YES (** **) NO (** **) If NO, explain:** _____

QAC _____ **Date** _____

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal № S26430

C: P.O. Box 1750 Cañon City, CO 81215	**S:** P.O. Box 1750 Cañon City, CO 81215	**N:** P.O. Box 700 Nucla, CO 81424

Sample Loc./ID No. SW-05 **Lab. No.(s)** ______

Sample Date 3-28-12 **Time** 9:45 **Date Data Entered** ______

Collected By Bob Tennant **Data Entry By** ______

Field Custodian Bob Tennant **Laboratory Destination if not Cotter:**

	Cotter	Off-Site Destination
Delivered By	Bob Tennant	FedEx
Received By	FedEx	FE-1x
Date Recd.	3-29-12	
Time Recd.	9:45	Kris Gsse

Energy Laboratories Inc.
2393 Salt Creek Hwy.
Casper, WY. 82601

1. **Sample Type:** Air ___ Water 1 Colorado Soil ___ Other (specify): ______
2. **Analysis – Test series requested:** Code 1
3. **Field Data – Preservation:** T° 3.6 pH 7.37 Cond. 213 uS/cm measured 204 uS/cm, 0.5 L FA HNO3 2.5 ml Staff – 1.46
4. **Date analysis required by (if not Holding Time):** ______
5. **Special handling conditions or other instructions:** ______
6. **Invalidating circumstances? If YES initial ( ) and explain below.**

COMMENTS – Explanation of noted items: ______

( ) **Check if additional attachments.**

QA Review:

Sample valid? YES ( ) NO ( ) If NO, explain: ______

QAC ______ **Date** ______

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal 12 S26431

C: P.O. Box 1750, Cañon City, CO 81215 **S:** P.O. Box 1750, Cañon City, CO 81215 **N:** P.O. Box 700, Nucla, CO 81424

Sample Loc./ID No. SW BOS **Lab. No.(s)** _____

Sample Date 3-28-12 **Time** 9:55 **Date Data Entered** _____

Collected By R.S Tennant **Data Entry By** _____

Field Custodian R.S Tennant **Laboratory Destination if not Cotter:** Energy Laboratories Inc. 2393 Salt Creek Hwy. Casper WY 82601

	Cotter	Off-Site Destination
Delivered By	R.S Tennant	FedEx
Received By	FedEx	FEDEX
Date Recd.	3.29.12	
Time Recd.	9:45	KMS Gsc.

1. **Sample Type:** Air _____ Water 1 Gallon Soil _____ Other (specify): _____
2. **Analysis – Test series requested:** Code 1
3. **Field Data – Preservation:** T° 3.6 pH 7.42 Cond 216 uS/cm Nitrate Cond 2.72 mS/cm, 0.5 L HNO3 2.5 mL Sulf 1.74
4. **Date analysis required by (if not Holding Time):** _____
5. **Special handling conditions or other instructions:** _____
6. **Invalidating circumstances? If YES initial ( ) and explain below.**

COMMENTS – Explanation of noted items: _____

( ) **Check if additional attachments.**

QA Review:

Sample valid? YES ( ) NO ( ) If NO, explain: _____

QAC _____ **Date** _____

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal № S26432

C: P.O. Box 1750 Cañon City, CO 81215	**S:** P.O. Box 1750 Cañon City, CO 81215	**N:** P.O. Box 700 Nucla, CO 81424

Sample Loc./ID No. SW-GS

Lab. No.(s) ______

Sample Date 3-28-12 **Time** 1155

Date Data Entered ______

Collected By Bob Tennant

Data Entry By ______

Field Custodian Bob Tennant

Laboratory Destination if not Cotter: Energy Laboratories Inc. 2393 Salt Creek Hwy. Casper, WY. 82601

	Cotter	Off-Site Destination
Delivered By	Bob Tennant	FedEx
Received By	FedEx	FedEx
Date Recd.	3-29-12	
Time Recd.	9:45	Kris Gasse

1. **Sample Type:** Air ____ Water 7 Containers Soil ____ Other (specify): ______
2. **Analysis – Test series requested:** Table 1
3. **Field Data – Preservation:** T° 6.1 pH 7.28 Cond 258 uS/cm rinse cond .88 uS/cm, Staff 1.22 1BFAHNO3 20ml 1LF, 1.25 CUFAHNO3 25ml, 1CUF, 1LUFAH2SO4 5ml, 0.5LUFANaOH 2.5ml
4. **Date analysis required by (if not Holding Time):** ______
5. **Special handling conditions or other instructions:** ______
6. **Invalidating circumstances? If YES initial (   ) and explain below.**

COMMENTS – Explanation of noted items: ______

(   ) **Check if additional attachments.**

QA Review:

Sample valid? YES (   ) NO (   ) If NO, explain: ______

QAC ______ **Date** ______

COTTER CORPORATION SAMPLE SUBMITTAL AND TRACKING FORM

Sample Submittal NO S26433

C: P.O. Box 1750, Cañon City, CO 81215 **S:** P.O. Box 1750, Cañon City, CO 81215 **N:** P.O. Box 700, Nucla, CO 81424

Sample Loc./ID No. SW-BPL **Lab. No.(s)**

Sample Date 3-28-12 **Time** 12:05 **Date Data Entered**

Collected By Bob Tennant **Data Entry By**

Field Custodian Bob Tennant **Laboratory Destination if not Cotter:**

Energy Laboratories Inc.
2393 Salt Creek Hwy.
Casper, WY. 82601

	Cotter	Off-Site Destination
Delivered By	Bob Tennant	FedEx
Received By	FedEx	FE-Ex
Date Recd.	3-29-12	
Time Recd.	9:45	KLSG:SSK

1. **Sample Type:** Air ____ Water Onc Soil ____ Other (specify): ____
2. **Analysis – Test series requested:** Code 1
3. **Field Data – Preservation:** T° 6.7 pH 7.67 Cond 2.51 mS/cm Diss Cond 1.35 mS/cm, 0.5 L HNO3 Total Staff 1.20
4. **Date analysis required by (if not Holding Time):**
5. **Special handling conditions or other instructions:**
6. **Invalidating circumstances?** **If YES initial (** **) and explain below.**

COMMENTS – Explanation of noted items:

( ) **Check if additional attachments.**

QA Review:

Sample valid? **YES (** **) NO (** **) If NO, explain:**

QAC **Date**