ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/03/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-007
Client Sample ID: TSA-B-05-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 234	1.7	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 234 precision (±)	0.2	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 235	ND	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 238	1.4	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 238 precision (±)	0.2	pCi/g-dry				E907.0	03/29/04 10:30 / ph

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

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-008
Client Sample ID: TSA-C-28-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	75.1	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 20 Sieve, Retained	24.9	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 40 Sieve, Passed	66.9	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 40 Sieve, Retained	33.1	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 60 Sieve, Passed	40.4	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 60 Sieve, Retained	59.6	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 100 Sieve, Passed	12.9	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 100 Sieve, Retained	87.1	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 140 Sieve, Passed	5.9	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 140 Sieve, Retained	94.1	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 200 Sieve, Passed	4.5	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 200 Sieve, Retained	95.5	%		1.0		ASA15-2	03/18/04 08:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	1	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Sand	88	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Silt	11	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Texture	S			1.0		ASA15-5	03/18/04 09:00 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	03/26/04 15:00 / lmh
Moisture	6.9	%		0.1		USDA26	03/12/04 15:00 / lmh
METALS - TOTAL							
Aluminum	15200	mg/kg-dry		2.5		SW6010B	03/22/04 13:53 / cp
Antimony	ND	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Arsenic	16.1	mg/kg-dry	D	0.86		SW6020	03/23/04 06:42 / bws
Barium	115	mg/kg-dry	D	1.4		SW6020	03/23/04 06:42 / bws
Beryllium	ND	mg/kg-dry	D	0.65		SW6020	03/23/04 06:42 / bws
Boron	ND	mg/kg-dry		5.0		SW6010B	03/22/04 14:37 / cp
Cadmium	ND	mg/kg-dry	D	0.66		SW6020	03/23/04 06:42 / bws
Calcium	12100	mg/kg-dry		50		SW6010B	03/22/04 14:37 / cp
Chromium	31.9	mg/kg-dry	D	0.97		SW6020	03/23/04 06:42 / bws
Cobalt	5.17	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Copper	702	mg/kg-dry	D	0.54		SW6020	03/23/04 06:42 / bws
Iron	42800	mg/kg-dry		2.5		SW6010B	03/22/04 13:53 / cp
Lead	8.64	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Magnesium	6620	mg/kg-dry		50		SW6010B	03/22/04 14:37 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-008
Client Sample ID: TSA-C-28-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	75.7	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Mercury	0.1	mg/kg-dry		0.1		SW7471A	03/19/04 18:52 / sml
Molybdenum	14.3	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Nickel	11.4	mg/kg-dry	D	0.93		SW6020	03/23/04 06:42 / bws
Potassium	3620	mg/kg-dry		50		SW6010B	03/22/04 14:37 / cp
Selenium	ND	mg/kg-dry	D	2.9		SW6020	03/23/04 06:42 / bws
Silver	ND	mg/kg-dry	D	0.63		SW6020	03/23/04 06:42 / bws
Sodium	800	mg/kg-dry		50		SW6010B	03/22/04 14:37 / cp
Thallium	ND	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Vanadium	44.0	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
Zinc	24.1	mg/kg-dry		0.50		SW6020	03/23/04 06:42 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	63.5	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Gross Gamma precision (±)	5.1	pCi/g-dry				E901.1	03/19/04 12:21 / db
Actinium 228	9.0	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Actinium 228 precision (±)	0.8	pCi/g-dry				E901.1	03/19/04 12:21 / db
Bismuth 214	7.1	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Bismuth 214 precision (±)	0.4	pCi/g-dry				E901.1	03/19/04 12:21 / db
Lead 212	8.3	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Lead 212 precision (±)	0.3	pCi/g-dry				E901.1	03/19/04 12:21 / db
Lead 214	8.5	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Lead 214 precision (±)	0.5	pCi/g-dry				E901.1	03/19/04 12:21 / db
Potassium 40	30.5	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Potassium 40 precision (±)	3.0	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 226	7.1	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 226 precision (±)	0.4	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 228	9.0	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 228 precision (±)	0.8	pCi/g-dry				E901.1	03/19/04 12:21 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
RADIONUCLIDES - TOTAL							
Thorium 228	5.9	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 228 precision (±)	0.6	pCi/g-dry				E907.0	03/25/04 10:30 / ph
Thorium 230	37	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 230 precision (±)	1.6	pCi/g-dry				E907.0	03/25/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-008
Client Sample ID: TSA-C-28-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	6.0	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 232 precision (±)	0.6	pCi/g-dry				E907.0	03/25/04 10:30 / ph
Uranium 234	18	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 234 precision (±)	0.8	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 235	0.5	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 235 precision (±)	0.1	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 238	14	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 238 precision (±)	0.8	pCi/g-dry				E907.0	03/29/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-009
Client Sample ID: TSA-D-52-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	94.8	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 20 Sieve, Retained	5.2	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 40 Sieve, Passed	91.5	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 40 Sieve, Retained	8.5	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 60 Sieve, Passed	68.7	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 60 Sieve, Retained	31.3	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 100 Sieve, Passed	29.4	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 100 Sieve, Retained	70.6	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 140 Sieve, Passed	13.8	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 140 Sieve, Retained	86.2	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 200 Sieve, Passed	9.1	%		1.0		ASA15-2	03/18/04 08:00 / lmh
No. 200 Sieve, Retained	90.9	%		1.0		ASA15-2	03/18/04 08:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	5	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Sand	89	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Silt	6	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Texture	S			1.0		ASA15-5	03/18/04 09:00 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	03/18/04 08:00 / lmh
Moisture	9.2	%		0.1		USDA26	03/12/04 15:00 / lmh
METALS - TOTAL							
Aluminum	9320	mg/kg-dry		2.5		SW6010B	03/22/04 13:56 / cp
Antimony	ND	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Arsenic	9.41	mg/kg-dry	D	0.86		SW6020	03/23/04 06:49 / bws
Barium	105	mg/kg-dry	D	1.4		SW6020	03/23/04 06:49 / bws
Beryllium	ND	mg/kg-dry	D	0.65		SW6020	03/23/04 06:49 / bws
Boron	ND	mg/kg-dry		5.0		SW6010B	03/22/04 14:40 / cp
Cadmium	ND	mg/kg-dry	D	0.66		SW6020	03/23/04 06:49 / bws
Calcium	13100	mg/kg-dry		50		SW6010B	03/22/04 14:40 / cp
Chromium	19.3	mg/kg-dry	D	0.97		SW6020	03/23/04 06:49 / bws
Cobalt	3.45	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Copper	500	mg/kg-dry	D	0.54		SW6020	03/23/04 06:49 / bws
Iron	42400	mg/kg-dry		2.5		SW6010B	03/22/04 13:56 / cp
Lead	4.03	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Magnesium	5420	mg/kg-dry		50		SW6010B	03/22/04 14:40 / cp

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-009
Client Sample ID: TSA-D-52-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	52.2	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	03/19/04 18:55 / sml
Molybdenum	10.6	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Nickel	7.81	mg/kg-dry	D	0.93		SW6020	03/23/04 06:49 / bws
Potassium	3740	mg/kg-dry		50		SW6010B	03/22/04 14:40 / cp
Selenium	ND	mg/kg-dry	D	2.9		SW6020	03/23/04 06:49 / bws
Silver	ND	mg/kg-dry	D	0.63		SW6020	03/23/04 06:49 / bws
Sodium	866	mg/kg-dry		50		SW6010B	03/22/04 14:40 / cp
Thallium	ND	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Vanadium	42.2	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
Zinc	21.1	mg/kg-dry		0.50		SW6020	03/23/04 06:49 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	46.5	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Gross Gamma precision (±)	3.1	pCi/g-dry				E901.1	03/19/04 12:21 / db
Actinium 228	6.4	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Actinium 228 precision (±)	0.6	pCi/g-dry				E901.1	03/19/04 12:21 / db
Bismuth 214	32.0	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Bismuth 214 precision (±)	0.2	pCi/g-dry				E901.1	03/19/04 12:21 / db
Lead 212	4.1	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Lead 212 precision (±)	0.2	pCi/g-dry				E901.1	03/19/04 12:21 / db
Lead 214	3.6	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Lead 214 precision (±)	0.3	pCi/g-dry				E901.1	03/19/04 12:21 / db
Potassium 40	29.2	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Potassium 40 precision (±)	1.8	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 226	3.2	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 226 precision (±)	0.2	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 228	6.4	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 228 precision (±)	0.6	pCi/g-dry				E901.1	03/19/04 12:21 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
RADIONUCLIDES - TOTAL							
Thorium 228	4.0	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 228 precision (±)	0.5	pCi/g-dry				E907.0	03/25/04 10:30 / ph
Thorium 230	18	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 230 precision (±)	1.2	pCi/g-dry				E907.0	03/25/04 10:30 / ph

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

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-009
Client Sample ID: TSA-D-52-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	4.0	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 232 precision (±)	0.5	pCi/g-dry				E907.0	03/25/04 10:30 / ph
Uranium 234	3.1	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 234 precision (±)	0.3	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 235	0.1	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 235 precision (±)	0.06	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 238	2.3	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 238 precision (±)	0.3	pCi/g-dry				E907.0	03/29/04 10:30 / ph

Report Definitions:
RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-010
Client Sample ID: TSA-E-90-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	52.3	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 20 Sieve, Retained	47.7	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 40 Sieve, Passed	33.3	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 40 Sieve, Retained	66.7	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 60 Sieve, Passed	26.2	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 60 Sieve, Retained	73.8	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 100 Sieve, Passed	19.8	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 100 Sieve, Retained	80.2	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 140 Sieve, Passed	15.1	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 140 Sieve, Retained	84.9	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 200 Sieve, Passed	12.8	%		1.0		ASA15-2	03/19/04 18:00 / lmh
No. 200 Sieve, Retained	87.2	%		1.0		ASA15-2	03/19/04 18:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	6	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Sand	75	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Silt	19	%		1.0		ASA15-5	03/18/04 09:00 / lmh
Texture	SL			1.0		ASA15-5	03/18/04 09:00 / lmh
PHYSICAL PROPERTIES							
Density	2.0	g/cc		0.1		E1109	03/18/04 08:00 / lmh
Moisture	21.2	%		0.1		USDA26	03/12/04 15:00 / lmh
METALS - TOTAL							
Aluminum	16300	mg/kg-dry		2.5		SW6010B	03/22/04 13:59 / cp
Antimony	2.47	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
Arsenic	104	mg/kg-dry	D	0.86		SW6020	03/26/04 02:29 / bws
Barium	83.4	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
Beryllium	ND	mg/kg-dry		0.50		SW6020	03/28/04 05:12 / bws
Boron	ND	mg/kg-dry		5.0		SW6010B	03/22/04 14:43 / cp
Cadmium	2.38	mg/kg-dry	D	0.66		SW6020	03/26/04 02:29 / bws
Calcium	2490	mg/kg-dry		50		SW6010B	03/22/04 14:43 / cp
Chromium	437	mg/kg-dry		0.50		SW6020	04/05/04 16:48 / bws
Cobalt	7.78	mg/kg-dry		0.50		SW6020	04/05/04 16:48 / bws
Copper	172	mg/kg-dry	D	0.60		SW6020	03/26/04 02:29 / bws
Iron	151000	mg/kg-dry		2.5		SW6010B	03/22/04 13:59 / cp
Lead	77.0	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
Magnesium	550	mg/kg-dry		50		SW6010B	03/22/04 14:43 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-010
Client Sample ID: TSA-E-90-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	35.3	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
Mercury	0.4	mg/kg-dry		0.1		SW7471A	03/19/04 18:57 / sml
Molybdenum	152	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
Nickel	8.83	mg/kg-dry	D	0.93		SW6020	04/03/04 00:02 / bws
Potassium	3400	mg/kg-dry		50		SW6010B	03/22/04 14:43 / cp
Selenium	ND	mg/kg-dry	D	2.9		SW6020	03/26/04 02:29 / bws
Silver	ND	mg/kg-dry		0.50		SW6020	03/28/04 05:12 / bws
Sodium	713	mg/kg-dry		50		SW6010B	03/22/04 14:43 / cp
Thallium	ND	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
Vanadium	29.5	mg/kg-dry		0.50		SW6020	04/05/04 16:48 / bws
Zinc	8.96	mg/kg-dry		0.50		SW6020	03/26/04 02:29 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	454	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Gross Gamma precision (±)	20.5	pCi/g-dry				E901.1	03/19/04 12:21 / db
Actinium 228	122	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Actinium 228 precision (±)	3.1	pCi/g-dry				E901.1	03/19/04 12:21 / db
Bismuth 214	16.9	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Bismuth 214 precision (±)	1.3	pCi/g-dry				E901.1	03/19/04 12:21 / db
Lead 212	131	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Lead 212 precision (±)	3.1	pCi/g-dry				E901.1	03/19/04 12:21 / db
Lead 214	19.8	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Lead 214 precision (±)	1.1	pCi/g-dry				E901.1	03/19/04 12:21 / db
Potassium 40	27.7	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Potassium 40 precision (±)	5.4	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 224	137	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 224 precision (±)	6.5	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 226	16.9	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 226 precision (±)	1.3	pCi/g-dry				E901.1	03/19/04 12:21 / db
Radium 228	122	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
Radium 228 precision (±)	3.1	pCi/g-dry				E901.1	03/19/04 12:21 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	03/19/04 12:21 / db
RADIONUCLIDES - TOTAL							
Thorium 228	128	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 228 precision (±)	5.4	pCi/g-dry				E907.0	03/25/04 10:30 / ph
Thorium 230	626	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 230 precision (±)	12	pCi/g-dry				E907.0	03/25/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 04/15/04
Collection Date: 03/04/04
Date Received: 03/10/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04030459-010
Client Sample ID: TSA-E-90-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	132	pCi/g-dry		0.1		E907.0	03/25/04 10:30 / ph
Thorium 232 precision (±)	5.5	pCi/g-dry				E907.0	03/25/04 10:30 / ph
Uranium 234	170	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 234 precision (±)	3.5	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 235	4.3	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 235 precision (±)	0.6	pCi/g-dry				E907.0	03/29/04 10:30 / ph
Uranium 238	129	pCi/g-dry		0.1		E907.0	03/29/04 10:30 / ph
Uranium 238 precision (±)	3.1	pCi/g-dry				E907.0	03/29/04 10:30 / ph

Report Definitions:
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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **MB-5274** SampType: **MBLK** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICP2-C_040322A**
Client ID: Batch ID: **5274** TestNo: **SW6010B** Analysis Date: **3/22/2004** SeqNo: **656423**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	5.0	0	0				0	0		
Boron	ND	5.0	0	0				0	0		
Calcium	ND	50	0	0				0	0		
Iron	ND	1.5	0	0				0	0		
Magnesium	ND	50	0	0				0	0		
Potassium	ND	50	0	0				0	0		
Sodium	ND	50	0	0				0	0		

Sample ID: **C04030185-012BMS** SampType: **MS1** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: Run ID: **ICP2-C_040322A**
Client ID: Batch ID: **5274** TestNo: **SW6010B** Analysis Date: **3/22/2004** SeqNo: **656432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	254000	50	250000	10050	97.8	80	120	0	0		
Magnesium	246000	50	250000	6905	95.5	80	120	0	0		
Potassium	237000	50	250000	3940	93	80	120	0	0		
Sodium	229000	50	250000	11380	87.2	80	120	0	0		

Sample ID: **C04030185-012BMS** SampType: **MS2** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: Run ID: **ICP2-C_040322A**
Client ID: Batch ID: **5274** TestNo: **SW6010B** Analysis Date: **3/22/2004** SeqNo: **656433**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13300	5.0	5000	9195	82.7	80	120	0	0		
Boron	4500	5.5	5000	204	86	80	120	0	0		
Iron	38600	1.5	5000	35500	63	80	120	0	0		SA

Qualifiers:
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B - Analyte detected in the associated Method Blank
A - Analyte concentration greater than three times the spike amount

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **C04030185-012BMS** SampType: **MSD1** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: Run ID: **ICP2-C_040322A**
Client ID: Batch ID: **5274** TestNo: **SW6010B** Analysis Date: **3/22/2004** SeqNo: **656434**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	257000	50	250000	10050	98.8	80	120	254500	1.0	20	
Magnesium	248000	50	250000	6905	96.5	80	120	245600	1.1	20	
Potassium	234000	50	250000	3940	92.1	80	120	236600	1.0	20	
Sodium	225000	50	250000	11380	85.6	80	120	229300	1.7	20	

Sample ID: **C04030185-012BMS** SampType: **MSD2** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: Run ID: **ICP2-C_040322A**
Client ID: Batch ID: **5274** TestNo: **SW6010B** Analysis Date: **3/22/2004** SeqNo: **656435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13300	5.0	5000	9195	82.7	80	120	13330	0	0	
Boron	4520	5.5	5000	204	86.4	80	120	4505	0.4	0	
Iron	38800	1.5	5000	35500	67	80	120	38650	0.5	0	SA

Sample ID: **MB-5274** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.50	0	0				0	0		
Arsenic	ND	0.50	0	0				0	0		
Barium	ND	0.50	0	0				0	0		
Beryllium	ND	0.50	0	0				0	0		
Cadmium	ND	0.50	0	0				0	0		
Chromium	ND	0.50	0	0				0	0		
Cobalt	ND	0.50	0	0				0	0		
Copper	ND	0.50	0	0				0	0		
Lead	ND	0.50	0	0				0	0		
Manganese	ND	0.50	0	0				0	0		
Molybdenum	ND	0.50	0	0				0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **MB-5274** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	ND	0.50	0	0				0	0		
Selenium	ND	0.51	0	0				0	0		
Silver	ND	0.50	0	0				0	0		
Thallium	ND	0.50	0	0				0	0		
Vanadium	ND	0.50	0	0				0	0		
Zinc	ND	0.50	0	0				0	0		

Sample ID: **MB-5274** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657319**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.50	0	0				0	0		
Arsenic	ND	0.50	0	0				0	0		
Barium	ND	0.50	0	0				0	0		
Beryllium	ND	0.50	0	0				0	0		
Cadmium	ND	0.50	0	0				0	0		
Chromium	ND	0.50	0	0				0	0		
Cobalt	ND	0.50	0	0				0	0		
Copper	ND	0.50	0	0				0	0		
Lead	ND	0.50	0	0				0	0		
Manganese	ND	0.50	0	0				0	0		
Molybdenum	ND	0.50	0	0				0	0		
Nickel	ND	0.50	0	0				0	0		
Selenium	ND	0.50	0	0				0	0		
Silver	ND	0.50	0	0				0	0		
Thallium	ND	0.50	0	0				0	0		
Vanadium	ND	0.50	0	0				0	0		
Zinc	ND	0.50	0	0				0	0		

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **LCS-5274** SampType: **LCS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	25.6	0.50	25	0	102	85	115	0	0		
Arsenic	24.4	0.86	25	0	97.6	85	115	0	0		
Barium	24.5	1.4	25	0	97.9	85	115	0	0		
Cadmium	24.9	0.50	25	0	99.5	85	115	0	0		
Chromium	23.7	0.50	25	0	94.7	85	115	0	0		
Cobalt	23.7	0.50	25	0	94.8	85	115	0	0		
Copper	23.8	0.60	25	0	95.2	85	115	0	0		
Lead	24.5	0.50	25	0	97.9	85	115	0	0		
Manganese	23.5	0.50	25	0	94	85	115	0	0		
Molybdenum	25.5	0.50	25	0	102	85	115	0	0		
Nickel	23.1	0.93	25	0	92.2	85	115	0	0		
Selenium	24.7	2.9	25	0	98.9	85	115	0	0		
Silver	9.98	0.50	10	0	99.8	85	115	0	0		
Thallium	24.3	0.50	25	0	97.3	85	115	0	0		
Vanadium	23.5	0.50	25	0	93.8	85	115	0	0		
Zinc	23.6	0.50	25	0.0955	94.2	85	115	0	0		

Sample ID: **LCS-5274** SampType: **LCS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.5	0.50	25	0	110	85	115	0	0		
Arsenic	23.7	0.86	25	0	94.8	85	115	0	0		
Cadmium	25.2	0.66	25	0	101	85	115	0	0		
Chromium	26.2	0.50	25	0	105	85	115	0	0		
Cobalt	26.0	0.50	25	0	104	85	115	0	0		
Copper	24.8	0.60	25	0	99.2	85	115	0	0		
Lead	27.7	0.50	25	0	111	85	115	0	0		

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **LCS-5274** SampType: **LCS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Manganese	27.1	0.50	25	0	108	85	115	0	0		
Molybdenum	26.0	0.50	25	0	104	85	115	0	0		
Nickel	25.1	0.93	25	0	101	85	115	0	0		
Selenium	22.3	2.9	25	0	89.4	85	115	0	0		
Silver	11.5	0.63	10	0	115	85	115	0	0		
Thallium	27.2	0.50	25	0	109	85	115	0	0		
Vanadium	26.3	0.50	25	0	105	85	115	0	0		
Zinc	25.4	0.50	25	0.107	101	85	115	0	0		

Sample ID: **C04030459-001BMS** SampType: **MS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: **TSA-A** Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	9.86	0.47	25	0	39.5	75	125	0	0		S
Arsenic	22.4	0.86	25	3.29	76.5	75	125	0	0		
Barium	86.4	1.4	25	64	89.6	75	125	0	0		
Beryllium	24.0	0.65	25	0	96.2	75	125	0	0		
Cadmium	24.1	0.66	25	0	96.3	75	125	0	0		
Chromium	35.9	0.47	25	12.12	95	75	125	0	0		
Cobalt	27.4	0.29	25	3.3	96.5	75	125	0	0		
Copper	280	0.60	25	259.1	81.6	75	125	0	0		A
Lead	28.4	0.18	25	3.475	99.6	75	125	0	0		
Manganese	65.4	0.38	25	40.79	98.5	75	125	0	0		
Molybdenum	34.9	0.25	25	8.78	105	75	125	0	0		
Nickel	24.0	0.93	25	4.925	76.4	75	125	0	0		
Selenium	19.3	2.9	25	0	77.4	75	125	0	0		
Silver	9.92	0.42	10	0	99.2	75	125	0	0		
Thallium	25.2	0.37	25	0	101	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
A - Analyte concentration greater than three times the spike amount

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **C04030459-001BMS** SampType: **MS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: **TSA-A** Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	55.4	0.35	25	31.76	94.5	75	125	0	0		
Zinc	26.1	0.10	25	8.51	70.3	75	125	0	0		S

Sample ID: **C04030459-001BMS** SampType: **MSD** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/18/2004** Run ID: **ICPMS1-C_040322B**
Client ID: **TSA-A** Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	9.96	0.47	25	0	39.9	75	125	9.865	1.0	20	S
Arsenic	22.6	0.86	25	3.29	77.3	75	125	22.41	1.0	20	
Barium	86.6	1.4	25	64	90.2	75	125	86.4	0.2	20	
Beryllium	22.8	0.65	25	0	91.3	75	125	24.04	5.2	20	
Cadmium	24.1	0.66	25	0	96.3	75	125	24.06	0	20	
Chromium	35.9	0.47	25	12.12	95.1	75	125	35.87	0	20	
Cobalt	27.4	0.29	25	3.3	96.3	75	125	27.42	0.2	20	
Copper	277	0.60	25	259.1	72.2	75	125	279.5	0.8	20	SA
Lead	28.1	0.18	25	3.475	98.5	75	125	28.37	1.0	20	
Manganese	64.7	0.38	25	40.79	95.7	75	125	65.4	1.1	20	
Molybdenum	34.5	0.25	25	8.78	103	75	125	34.94	1.3	20	
Nickel	23.2	0.93	25	4.925	73.1	75	125	24.04	3.5	20	S
Selenium	19.7	2.9	25	0	78.8	75	125	19.34	1.9	20	
Silver	10.0	0.42	10	0	100	75	125	9.915	1.1	20	
Thallium	25.2	0.37	25	0	101	75	125	25.17	0	20	
Vanadium	55.8	0.35	25	31.76	95.9	75	125	55.4	0.6	20	
Zinc	26.3	0.10	25	8.51	71.3	75	125	26.09	0.9	20	S

Qualifiers:
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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **C04030439-005CMS** SampType: **MS** TestCode: **ICPMS-6020-W-T** Units: **mg/L** Prep Date: **3/14/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657259**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.536	0.0010	0.5	0	107	70	130	0	0		
Arsenic	0.527	0.0017	0.5	0.00608	104	70	130	0	0		
Barium	0.607	0.0029	0.5	0.09729	102	70	130	0	0		
Beryllium	0.518	0.010	0.5	0	104	70	130	0	0		
Cadmium	0.503	0.0013	0.5	0	101	70	130	0	0		
Chromium	0.504	0.010	0.5	0.00085	101	70	130	0	0		
Cobalt	0.500	0.010	0.5	0.00059	99.8	70	130	0	0		
Copper	0.512	0.010	0.5	0.00092	102	70	130	0	0		
Lead	0.504	0.0010	0.5	0.0004	101	70	130	0	0		
Manganese	1.47	0.0010	0.5	0.9246	109	70	130	0	0		
Molybdenum	0.528	0.0010	0.5	0.00484	105	70	130	0	0		
Nickel	0.510	0.010	0.5	0.00288	102	70	130	0	0		
Selenium	0.509	0.0059	0.5	0.00059	102	70	130	0	0		
Thallium	0.508	0.0010	0.5	0	102	70	130	0	0		
Vanadium	0.505	0.010	0.5	0.00031	101	70	130	0	0		
Zinc	0.524	0.010	0.5	0.00346	104	70	130	0	0		

Sample ID: **C04030439-005CMS** SampType: **MSD** TestCode: **ICPMS-6020-W-T** Units: **mg/L** Prep Date: **3/14/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657260**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.524	0.0010	0.5	0	105	70	130	0.5355	2.1	20	
Arsenic	0.514	0.0017	0.5	0.00608	102	70	130	0.5267	2.4	20	
Barium	0.607	0.0029	0.5	0.09729	102	70	130	0.6073	0	20	
Beryllium	0.522	0.010	0.5	0	104	70	130	0.5177	0.8	20	
Cadmium	0.506	0.0013	0.5	0	101	70	130	0.5034	0.5	20	
Chromium	0.502	0.010	0.5	0.00085	100	70	130	0.5037	0.3	20	
Cobalt	0.504	0.010	0.5	0.00059	101	70	130	0.4996	0.9	20	

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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5274

Sample ID: **C04030439-005CMS** SampType: **MSD** TestCode: **ICPMS-6020-W-T** Units: **mg/L** Prep Date: **3/14/2004** Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **5274** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657260**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.508	0.010	0.5	0.00092	101	70	130	0.5125	0.9	20	
Lead	0.507	0.0010	0.5	0.0004	101	70	130	0.5045	0.6	20	
Manganese	1.45	0.0010	0.5	0.9246	105	70	130	1.472	1.4	20	
Molybdenum	0.526	0.0010	0.5	0.00484	104	70	130	0.5278	0.3	20	
Nickel	0.523	0.010	0.5	0.00288	104	70	130	0.5104	2.4	20	
Selenium	0.498	0.0059	0.5	0.00059	99.5	70	130	0.5088	2.1	20	
Thallium	0.507	0.0010	0.5	0	101	70	130	0.508	0.1	20	
Vanadium	0.512	0.010	0.5	0.00031	102	70	130	0.5046	1.4	20	
Zinc	0.530	0.010	0.5	0.00346	105	70	130	0.5242	1.2	20	

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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **5284**

Sample ID: **C04030459-010B MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **3/19/2004** Run ID: **CVAA-C201_040319C**
Client ID: **TSA-E-90-01** Batch ID: **5284** TestNo: **SW7471A** Analysis Date: **3/19/2004** SeqNo: **655249**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.7	0.050	1.232	0.3756	109	85	115	0	0		

Sample ID: **C04030459-010B MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **3/19/2004** Run ID: **CVAA-C201_040319C**
Client ID: **TSA-E-90-01** Batch ID: **5284** TestNo: **SW7471A** Analysis Date: **3/19/2004** SeqNo: **655251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.7	0.050	1.265	0.3756	107	85	115	1.719	0.4	30	

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CLIENT: SRK Consulting
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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5308

Sample ID: **MB-5308** SampType: **MBLK** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICP2-C_040324A**
Client ID: Batch ID: **5308** TestNo: **SW6010B** Analysis Date: **3/24/2004** SeqNo: **658807**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	5.0	0	0				0	0		
Boron	ND	5.0	0	0				0	0		
Calcium	ND	50	0	0				0	0		
Iron	ND	1.5	0	0				0	0		
Magnesium	ND	50	0	0				0	0		
Potassium	ND	50	0	0				0	0		
Sodium	ND	50	0	0				0	0		

Sample ID: **LCS-5308** SampType: **LCS** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICP2-C_040324A**
Client ID: Batch ID: **5308** TestNo: **SW6010B** Analysis Date: **3/24/2004** SeqNo: **658808**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.456	5.0	0.5	0	91.2	90	110	0	0		
Boron	0.497	5.0	0.5	0.0089	97.7	90	110	0	0		
Iron	0.529	1.5	0.5	0.0079	104	90	110	0	0		

Sample ID: **MB-5308** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICPMS1-C_040325A**
Client ID: Batch ID: **5308** TestNo: **SW6020** Analysis Date: **3/25/2004** SeqNo: **659950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.10	0	0				0	0		
Arsenic	ND	0.10	0	0				0	0		
Barium	ND	0.10	0	0				0	0		
Beryllium	ND	0.10	0	0				0	0		
Cadmium	ND	0.10	0	0				0	0		
Chromium	ND	0.10	0	0				0	0		
Cobalt	ND	0.10	0	0				0	0		
Copper	ND	0.10	0	0				0	0		

Qualifiers:
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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5308

Sample ID: **MB-5308** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICPMS1-C_040325A**
Client ID: Batch ID: **5308** TestNo: **SW6020** Analysis Date: **3/25/2004** SeqNo: **659950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.10	0	0				0	0		
Manganese	ND	0.10	0	0				0	0		
Molybdenum	ND	0.10	0	0				0	0		
Nickel	ND	0.10	0	0				0	0		
Selenium	ND	0.50	0	0				0	0		
Silver	ND	0.10	0	0				0	0		
Thallium	ND	0.10	0	0				0	0		
Vanadium	ND	0.10	0	0				0	0		
Zinc	ND	0.10	0	0				0	0		

Sample ID: **MB-5308** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICPMS1-C_040327A**
Client ID: Batch ID: **5308** TestNo: **SW6020** Analysis Date: **3/28/2004** SeqNo: **661399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.10	0	0				0	0		
Arsenic	ND	0.10	0	0				0	0		
Barium	ND	0.10	0	0				0	0		
Beryllium	ND	0.10	0	0				0	0		
Cadmium	ND	0.10	0	0				0	0		
Chromium	ND	0.10	0	0				0	0		
Cobalt	ND	0.10	0	0				0	0		
Copper	ND	0.10	0	0				0	0		
Lead	ND	0.10	0	0				0	0		
Manganese	ND	0.10	0	0				0	0		
Molybdenum	ND	0.10	0	0				0	0		
Nickel	ND	0.10	0	0				0	0		
Selenium	ND	0.50	0	0				0	0		
Silver	ND	0.10	0	0				0	0		

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5308

Sample ID: **MB-5308** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICPMS1-C_040327A**
Client ID: Batch ID: **5308** TestNo: **SW6020** Analysis Date: **3/28/2004** SeqNo: **661399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	ND	0.10	0	0				0	0		
Vanadium	ND	0.10	0	0				0	0		
Zinc	ND	0.10	0	0				0	0		

Sample ID: **LCS-5308** SampType: **LCS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICPMS1-C_040325A**
Client ID: Batch ID: **5308** TestNo: **SW6020** Analysis Date: **3/25/2004** SeqNo: **659951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.452	0.10	0.5	0	90.4	85	115	0	0		
Arsenic	0.430	0.10	0.5	0	85.9	85	115	0	0		
Barium	0.436	0.10	0.5	0	87.2	85	115	0	0		
Beryllium	0.390	0.10	0.5	0	78.1	85	115	0	0		S
Cadmium	0.423	0.10	0.5	0	84.7	85	115	0	0		S
Chromium	0.426	0.10	0.5	0.00206	84.8	85	115	0	0		S
Cobalt	0.428	0.10	0.5	0	85.6	85	115	0	0		
Copper	0.428	0.10	0.5	0	85.7	85	115	0	0		
Lead	0.429	0.10	0.5	0	85.7	85	115	0	0		
Manganese	0.428	0.10	0.5	0	85.5	85	115	0	0		
Molybdenum	0.438	0.10	0.5	0	87.5	85	115	0	0		
Nickel	0.423	0.10	0.5	0	84.6	85	115	0	0		S
Selenium	0.426	0.50	0.5	0	85.1	85	115	0	0		
Silver	0.188	0.10	0.2	0	93.8	85	115	0	0		
Thallium	0.434	0.10	0.5	0	86.8	85	115	0	0		
Vanadium	0.429	0.10	0.5	0	85.9	85	115	0	0		
Zinc	0.421	0.10	0.5	0.00107	83.9	85	115	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
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Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *15-Apr-04*

BatchID: 5308

Sample ID: **LCS-5308** SampType: **LCS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **3/23/2004** Run ID: **ICPMS1-C_040327A**
Client ID: Batch ID: **5308** TestNo: **SW6020** Analysis Date: **3/28/2004** SeqNo: **661400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.464	0.10	0.5	0	92.8	85	115	0	0		
Arsenic	0.460	0.10	0.5	0	92	85	115	0	0		
Barium	0.459	0.10	0.5	0	91.9	85	115	0	0		
Beryllium	0.435	0.10	0.5	0	86.9	85	115	0	0		
Cadmium	0.444	0.10	0.5	0	88.7	85	115	0	0		
Chromium	0.444	0.10	0.5	0.00233	88.4	85	115	0	0		
Cobalt	0.443	0.10	0.5	0	88.6	85	115	0	0		
Copper	0.462	0.10	0.5	0	92.5	85	115	0	0		
Lead	0.459	0.10	0.5	0	91.8	85	115	0	0		
Manganese	0.446	0.10	0.5	0	89.1	85	115	0	0		
Molybdenum	0.465	0.10	0.5	0	93	85	115	0	0		
Nickel	0.466	0.10	0.5	0	93.3	85	115	0	0		
Selenium	0.459	0.50	0.5	0	91.8	85	115	0	0		
Silver	0.195	0.10	0.2	0	97.4	85	115	0	0		
Thallium	0.469	0.10	0.5	0	93.8	85	115	0	0		
Vanadium	0.443	0.10	0.5	0	88.6	85	115	0	0		
Zinc	0.454	0.10	0.5	0.00133	90.5	85	115	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blank
A - Analyte concentration greater than three times the spike amount

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Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **HG7471-040317**

Sample ID: **C238-42-6** SampType: **CCV** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: Run ID: **CVAA-C201_040317A**
Client ID: Batch ID: **HG7471-0403** TestNo: **SW7471A** Analysis Date: **3/17/2004** SeqNo: **652965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.53	0.050	0.5	0	105	90	110	0	0		

Sample ID: **C238-47-4** SampType: **ICV** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: Run ID: **CVAA-C201_040317A**
Client ID: Batch ID: **HG7471-0403** TestNo: **SW7471A** Analysis Date: **3/17/2004** SeqNo: **652964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.49	0.050	0.5	0	98.8	90	110	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **HG7471-040319**

Sample ID: **C238-42-6** SampType: **CCV** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: Run ID: **CVAA-C201_040319C**
Client ID: Batch ID: **HG7471-0403** TestNo: **SW7471A** Analysis Date: **3/19/2004** SeqNo: **655234**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.55	0.050	0.5	0	110	90	110	0	0		

Sample ID: **C238-48-3** SampType: **ICV** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: Run ID: **CVAA-C201_040319C**
Client ID: Batch ID: **HG7471-0403** TestNo: **SW7471A** Analysis Date: **3/19/2004** SeqNo: **655233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.48	0.050	0.5	0	95.6	90	110	0	0		

Qualifiers:
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A - Analyte concentration greater than three times the spike amount

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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **R32803**

Sample ID: **ICV** SampType: **ICV** TestCode: **ICPMS-6020-W-D** Units: **mg/L** Prep Date: Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **R32803** TestNo: **SW6020** Analysis Date: **3/22/2004** SeqNo: **657255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0502	0.0010	0.05	0	100	90	110	0	0		
Arsenic	0.0504	0.0010	0.05	0	101	90	110	0	0		
Barium	0.0498	0.0010	0.05	0	99.5	90	110	0	0		
Beryllium	0.0501	0.010	0.05	0	100	90	110	0	0		
Cadmium	0.0497	0.0010	0.05	0	99.4	90	110	0	0		
Chromium	0.0506	0.0010	0.05	0	101	90	110	0	0		
Cobalt	0.0504	0.0010	0.05	0	101	90	110	0	0		
Copper	0.0513	0.0010	0.05	0	103	90	110	0	0		
Lead	0.0497	0.0010	0.05	0	99.4	90	110	0	0		
Manganese	0.0500	0.0010	0.05	0	100	90	110	0	0		
Molybdenum	0.0507	0.0010	0.05	0	101	90	110	0	0		
Nickel	0.0502	0.0010	0.05	0	100	90	110	0	0		
Selenium	0.252	0.0010	0.25	0	101	90	110	0	0		
Silver	0.0517	0.0010	0.05	0	103	90	110	0	0		
Thallium	0.0501	0.0010	0.05	0	100	90	110	0	0		
Vanadium	0.0507	0.0010	0.05	0	101	90	110	0	0		
Zinc	0.0504	0.0010	0.05	0	101	90	110	0	0		

Sample ID: **ICV** SampType: **ICV** TestCode: **ICPMS-6020-W-D** Units: **mg/L** Prep Date: Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **R32803** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0494	0.0010	0.05	0	98.8	90	110	0	0		
Arsenic	0.0483	0.0010	0.05	0	96.5	90	110	0	0		
Barium	0.0487	0.0010	0.05	0	97.4	90	110	0	0		
Beryllium	0.0495	0.010	0.05	0	99	90	110	0	0		
Cadmium	0.0490	0.0010	0.05	0	97.9	90	110	0	0		
Chromium	0.0505	0.0010	0.05	0	101	90	110	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **R32803**

Sample ID: **ICV** SampType: **ICV** TestCode: **ICPMS-6020-W-D** Units: **mg/L** Prep Date: Run ID: **ICPMS1-C_040322B**
Client ID: Batch ID: **R32803** TestNo: **SW6020** Analysis Date: **3/23/2004** SeqNo: **657301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	0.0503	0.0010	0.05	0	101	90	110	0	0		
Copper	0.0507	0.0010	0.05	0	101	90	110	0	0		
Lead	0.0489	0.0010	0.05	0	97.8	90	110	0	0		
Manganese	0.0502	0.0010	0.05	0	100	90	110	0	0		
Molybdenum	0.0509	0.0010	0.05	0	102	90	110	0	0		
Nickel	0.0498	0.0010	0.05	0	99.5	90	110	0	0		
Selenium	0.254	0.0010	0.25	0	102	90	110	0	0		
Silver	0.0509	0.0010	0.05	0	102	90	110	0	0		
Thallium	0.0496	0.0010	0.05	0	99.1	90	110	0	0		
Vanadium	0.0504	0.0010	0.05	0	101	90	110	0	0		
Zinc	0.0490	0.0010	0.05	0	98	90	110	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **R32917**

Sample ID: **ICV** SampType: **ICV** TestCode: **ICPMS-6020-W-D** Units: **mg/L** Prep Date: Run ID: **ICPMS1-C_040325A**
Client ID: Batch ID: **R32917** TestNo: **SW6020** Analysis Date: **3/25/2004** SeqNo: **659916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0507	0.0010	0.05	0	101	90	110	0	0		
Arsenic	0.0518	0.0010	0.05	0	104	90	110	0	0		
Barium	0.0499	0.0010	0.05	0	99.8	90	110	0	0		
Beryllium	0.0503	0.010	0.05	0	101	90	110	0	0		
Cadmium	0.0498	0.0010	0.05	0	99.6	90	110	0	0		
Chromium	0.0508	0.0010	0.05	0	102	90	110	0	0		
Cobalt	0.0503	0.0010	0.05	0	101	90	110	0	0		
Copper	0.0510	0.0010	0.05	0	102	90	110	0	0		
Lead	0.0501	0.0010	0.05	0	100	90	110	0	0		
Manganese	0.0501	0.0010	0.05	0	100	90	110	0	0		
Molybdenum	0.0509	0.0010	0.05	0	102	90	110	0	0		
Nickel	0.0505	0.0010	0.05	0	101	90	110	0	0		
Selenium	0.255	0.0010	0.25	0	102	90	110	0	0		
Silver	0.0537	0.0010	0.05	0	107	90	110	0	0		
Thallium	0.0501	0.0010	0.05	0	100	90	110	0	0		
Vanadium	0.0506	0.0010	0.05	0	101	90	110	0	0		
Zinc	0.0509	0.0010	0.05	0	102	90	110	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **R32933**

Sample ID: **MB-R32933** SampType: **MBLK** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R32933** TestNo: **E901.1** Analysis Date: **3/19/2004** SeqNo: **660312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	ND	2.0	0	0				0	0		

Sample ID: **LCS-R32933** SampType: **LCS** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R32933** TestNo: **E901.1** Analysis Date: **3/19/2004** SeqNo: **660313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	302000	2.0	328600	0	92	70	130	0	0		

Sample ID: **C04030185-001ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R32933** TestNo: **E901.1** Analysis Date: **3/19/2004** SeqNo: **660286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	123	2.0	0	0				119.5	2.6	30	

Sample ID: **C04030185-009ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R32933** TestNo: **E901.1** Analysis Date: **3/19/2004** SeqNo: **660295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	46.5	2.0	0	0				38.6	19	30	

Sample ID: **C04030459-010ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: **TSA-E-90-01** Batch ID: **R32933** TestNo: **E901.1** Analysis Date: **3/19/2004** SeqNo: **660309**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	477	2.0	0	0				453.8	5.0	30	

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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **R32933**

Sample ID: **C04030928-001ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R32933** TestNo: **E901.1** Analysis Date: **3/19/2004** SeqNo: **660311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	1.10	2.0	0	0				0	0	30	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: **R33065**

Sample ID: **MB-R33065** SampType: **MBLK** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040329A**
Client ID: Batch ID: **R33065** TestNo: **E907.0** Analysis Date: **3/29/2004** SeqNo: **663361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 234	ND	0.010	0	0				0	0		
Uranium 235	ND	0.010	0	0				0	0		
Uranium 238	ND	0.010	0	0				0	0		

Sample ID: **LCS-R33065** SampType: **LCS** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040329A**
Client ID: Batch ID: **R33065** TestNo: **E907.0** Analysis Date: **3/29/2004** SeqNo: **663362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 238	27.7	0.010	25.1	0	110	70	130	0	0		

Sample ID: **C04030459-007CMS** SampType: **MS** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040329A**
Client ID: **TSA-B-05-01** Batch ID: **R33065** TestNo: **E907.0** Analysis Date: **3/29/2004** SeqNo: **663373**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 238	13.3	0.10	12.5	1.36	95.2	70	130	0	0		

Sample ID: **C04030459-007CMS** SampType: **DUP** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040329A**
Client ID: **TSA-B-05-01** Batch ID: **R33065** TestNo: **E907.0** Analysis Date: **3/29/2004** SeqNo: **663374**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 238	15.2	0.10	0	0				13.26	13	30	
Uranium 238 precision (±)	0.780		0	0				0.675	14	0	

Qualifiers: ND - Not Detected at the Reporting Limit
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TECHNICAL MEMORANDUM

TO: SRK Consulting

ATTENTION: Rod Grebb

FROM: Joe Sawyer

DATE: March 4, 2004

SUBJECT: **Tailings Study Area Sample Analysis**

PROJ/PROP NO. **113922.100**

The following are the laboratory sample preparation and analysis methods for the Tailings Study Area samples. The samples will be composted by dry weight as shown in the table below. Before compositing a split of each individual sample will be set aside by the laboratory for possible future additional analysis.

Composite Composition				
Transect A	Transect B	Transect C	Transect D	Transect E
TSA-A-07-01	TSA-B-05-01	TSA-C-28-01	TSA-D-52-01	TSA-E-90-01
TSA-A-03-02	TSA-B-08-02	TSA-C-12-02	TSA-D-71-02	TSA-E-89-02
TSA-A-04-03	TSA-B-11-03	TSA-C-13-03	TSA-D-21-03	TSA-E-92-03
TSA-A-06-04	TSA-B-00-04	TSA-C-30-04	TSA-D-05-04	TSA-E-100-04
TSA-A-00-05	TSA-B-03-05	TSA-C-21-05	TSA-D-30-05	TSA-E-95-05
TSA-A-01-06	TSA-B-13-06	TSA-C-02-06	TSA-D-09-06	TSA-E-93-06
TSA-A-09-07	TSA-B-15-07	TSA-C-06-07	TSA-D-00-07	TSA-E-101-07
RESULTING SAMPLE ANALYSIS				
TSA-A	TSA-B	TSA-C	TSA-D	TSA-E

Additionally the following samples will be analyzed individually.

Individual Samples				
FPSA-A-07-01	TSA-B-05-01	TSA-C-28-01	TSA-D-52-01	TSA-E-90-01

Both the composite samples and the individual samples will be analyzed according to the attached table.

Table 1 – Analyte List		
Analyte	Method	Reporting Limit
Aluminum	SW-846 6010A	2.5 mg/kg
Antimony	SW-846 6020	0.01 mg/kg
Arsenic	SW-846 6020	0.01 mg/kg
Barium	SW-846 6020	0.5 mg/kg
Beryllium	SW-846 6010A	0.1 mg/kg
Boron	SW-846 6010A	0.5 mg/kg
Cadmium	SW-846 6020	0.1 mg/kg
Calcium	SW-846 6010A	1 meq/l
Chromium	SW-846 6020	0.1 mg/kg
Cobalt	SW-846 6020	0.5 mg/kg
Copper	SW-846 6020	0.1 mg/kg
Iron	SW-846 6010A	1.5 mg/kg
Lead	SW-846 6020	0.1 mg/kg
Magnesium	SW-846 6010A	1 meg/l
Manganese	SW-846 6020	0.5 mg/kg
Mercury	SW-846 7471	0.005 mg/kg
Molybdenum	SW-846 6020	0.5 mg/kg
Nickel	SW-846 6020	0.5 mg/kg
Potassium	SW-846 6010A	1 meq/l
Selenium	SW-846 6020	0.1 mg/kg
Silver	SW-846 6020	0.5 mg/kg
Sodium	SW-846 6010A	1 meq/l
Thallium	SW-846 6020	0.1 mg/kg
Vanadium	SW-846 6020	0.1 mg/kg
Zinc	SW-846 6020	0.5 mg/kg
Gamma Emitting Radionuclides	EPA 901.1	0.1 piC/g
Alpha Isotopes	EPA 907.0	0.1 piC/g
Particle Size Distribution	ASTM MONO Part 1 Method 14-2.2	0.1%
Particle Size	ASA MONO 9 Part 1 Method 15-5	0.1%
Dry Weight Density	EPA 1109	0.1 g/cc

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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: SRK Consulting

Project Name, PWS #, Permit #, Etc.: Yerrington Dust Study

Report Mail Address: Rod Grebb, SRK Consulting, 19 Old Town Square, Suite 238, Fort Collins, CO, 80524

Contact Name, Phone, Fax, E-mail: Rod Grebb, 970-407-8302, rgrebb@srk.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: SAME

Invoice Contact & Phone #: SAME

Purchase Order #: 113922.1000

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Receipt Temp _____ ° C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

	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)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	TSA-A-09-07	3/3/4	~~1330~~ 1345	1-S	X	X		1 Bag	C403045 9
2	TSA-B-15-07	3/3/4	1330	"	X	X		"	
3	TSA-C-06-07	3/4/4	1135	"	X	X		"	
4	TSA-D-00-07	3/4/4	1145	"	X	X		"	
5	TSA-E-101-07	3/4/4	1405	"	X	X		"	
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/4/4 1430 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1100

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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Track# C0403045 9 Page 57

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

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Company Name: SRK Consulting

Project Name, PWS #, Permit #, Etc.: Yerington Dust Study

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Contact Name, Phone, Fax, E-mail: Rod Grebb, 970-407-8302, rgrebb@srk.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

Purchase Order #: 113922.1000

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

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Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp _____ ° C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	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)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:
1	TSA-A-07-01	3/3/4	1255	1-S	X	X		1 Bag
2	TSA-A-03-02	"	1310	"	X	X		"
3	TSA-A-04-03	"	1305	"	X	X		"
4	TSA-A-06-04	"	1300	"	X	X		"
5	TSA-A-00-05	"	1320	"	X	X		"
6	TSA-A-01-06	"	1315	"	X	X		"
7								
8								
9								
10								

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 03/03 1500 Shipped by: UPS Received by: [signature] Date/Time: 3/10 0410

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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ENERGY LABORATORIES

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Sampler Name if other than Contact: Joe Sawyer

Invoice Address: SAME

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Purchase Order #: 113922.1000

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Other _____

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Intact Y N

Signature Match Y N

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1	TSA-B-05-01	3/3/04	1415	1-S	X	X		1 Bag	
2	TSA-B-08-02	"	1418	1-S	X	X		"	
3	TSA-B-11-03	"	1420	1-S	X	X		"	
4	TSA-B-00-04	"	1405	1-S	X	X		"	
5	TSA-B-03-05	"	1410	1-S	X	X		"	
6	TSA-B-13-06	"	1325	1-S	X	X		"	
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/3/04 1500 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1100

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

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Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

Purchase Order #: 113922.1000

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Other _____

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Cooler ID(s) _____

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Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

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1	TSA-C-28-01	03/04/04	1055	1-S	X	X		1 Bag
2	TSA-C-12-02	"	1132	"	X	X		"
3	TSA-C-13-03	"	1129	"	X	X		"
4	TSA-C-30-04	"	1050	"	X	X		"
5	TSA-C-21-05	"	1125	"	X	X		"
6	TSA-C-02-06	"	1140	"	X	X		"
7								
8								
9								
10								

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/4/04 1430 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1100

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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Track# C0403045 9 Page 60

Chain of Custody and Analytical Request Record

Page 1 of 1

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Project Name, PWS #, Permit #, Etc.: Yennington Dust Study

Report Mail Address: Rod Grebb SRK Consulting 19 Old Town Square, Suite 238 Fort Collins, CO 80524

Contact Name, Phone, Fax, E-mail: Rod Grebb 970-407-8302 rgrebb@SRK.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: SAME

Invoice Contact & Phone #: SAME

Purchase Order #: 113922.1000

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

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Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Receipt Temp _____ ° C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	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)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	TSA-D-52-01	03/04/04	1110	1-S	X	X		1 Bag	
2	TSA-D-71-02	"	1105	"	X	X		"	
3	TSA-D-21-03	"	1205	"	X	X		"	
4	TSA-D-05-04	"	1150	"	X	X		"	
5	TSA-D-30-05	"	1198	"	X	X		"	
6	TSA-D-09-06	"	1210	"	X	X		"	
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/4/04 1430 Shipped by: UPS Received by: [signature] Date/Time: 3/4/04 1430

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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Track# C0403045 9 Page 61

Chain of Custody and Analytical Request Record

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

Company Name: SRK Consulting	Project Name, PWS #, Permit #, Etc.: Yerington Dust Study
Report Mail Address: Rod Grebb, SRK Consulting, 19 Old Town Square, Suite 238, Fort Collins, CO. 80524	Contact Name, Phone, Fax, E-mail: Rod Grebb, 970-407-8302, rgrebb@srk.com
	Sampler Name if other than Contact: Joe Sawyer
Invoice Address: Same	Invoice Contact & Phone #: Same
Purchase Order #: 113922.1000	ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Receipt Temp _____ ° C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX									SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	TSA-E-90-01	3/4/4	1330	1-S								X	X	1 Bag		
2	TSA-E-89-02	"	1325	"								X	X	"		
3	TSA-E-92-03	"	1340	"								X	X	"		
4	TSA-E-100-04	"	1400	"								X	X	"		
5	TSA-E-95-05	"	1350	"								X	X	"		
6	TSA-E-93-06	"	1345	"								X	X	"		
7																
8																
9																
10																

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature]	Date/Time: 03/04/04 1430	Shipped by: UPS	Received by: [signature] Date/Time: 3/10/04 1000
Relinquished by:	Date/Time:	Shipped by:	Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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Track# C0403045 9 Page 6

ENERGY LABORATORIES
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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name SRK Consulting

Date and Time Received: 3/10/2004 10:00:00

Work Order Number C04030459

Received by sh

Checklist completed by: Sina Hudson 3/11/04
Signature | Date

Reviewed by _____
Initials | Date

Carrier name UPS

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?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	NA °C Soil
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

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ANALYTICAL SUMMARY REPORT

April 15, 2004

Rod Grebb
SRK Consulting
19 Old Town Sq
Ste 238
Fort Collins, CO 80524

Workorder No.: C04030459

Project Name: Yerington Dust Study

Energy Laboratories Inc. received the following 10 samples from SRK Consulting on 3/10/2004 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C04030459-001	TSA-A	03/03/04 0:00	03/10/04	Soil	Composite of two or more samples Mercury, Total E1109 Density Metals by ICP, Total Metals by ICP-MS, Total Percent Moisture Digestion, Total Metals Digestion For RadioChemistry CVAA Permanganate Digest Particle Size Analysis / Texture Prep Particle Size Analysis / Texture Gross Gamma Thorium, Isotopic Uranium, Isotopic Sieves
C04030459-002	TSA-B	03/03/04 0:00	03/10/04	Soil	Same As Above
C04030459-003	TSA-C	03/04/04 0:00	03/10/04	Soil	Same As Above
C04030459-004	TSA-D	03/04/04 0:00	03/10/04	Soil	Same As Above
C04030459-005	TSA-E	03/04/04 0:00	03/10/04	Soil	Same As Above
C04030459-006	TSA-A-07-01	03/03/04 0:00	03/10/04	Soil	Same As Above
C04030459-007	TSA-B-05-01	03/03/04 0:00	03/10/04	Soil	Composite of two or more samples Mercury, Total E1109 Density Metals by ICP, Total Metals by ICP-MS, Total Percent Moisture Digestion, Total Metals Digestion For RadioChemistry CVAA Permanganate Digest Particle Size Analysis / Texture Prep Particle Size Analysis / Texture Gross Gamma Thorium, Isotopic Uranium, Isotopic Sieves
C04030459-008	TSA-C-28-01	03/04/04 0:00	03/10/04	Soil	Same As Above

C04030459-009	TSA-D-52-01	03/04/04 0:00	03/10/04	Soil	Same As Above
C04030459-010	TSA-E-90-01	03/04/04 0:00	03/10/04	Soil	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

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

Report Approved By:

ROGER GAPLING
LABORATORY SUPERVISOR

Date: *15-Apr-04*

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04030459

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

COMMENTS
Rod Grebb with SRK Management in Ft. Collins, CO notified ELI 2/26/04 that the analyte list submitted with each sample delivery group (SDG) was inappropriate with respect to certain requested methodologies, reporting limits, and units. ELI and SRK verbally agreed to use the "attached table" also known as "Finger Pond Analysis" only as an analyte list. Reporting limits are dictated by method detection limits (MDL), dilution factors, method blank interactions, and other conditions.

All non-physical testing was performed on minus 200 mesh fraction.

Sample Id. for C04030459-006 changed to TSA-A-07-01 per individual chain of custody's.

Key to Texture Results:
C = Clay
SiC = Silty Clay
SiCL = Silty Clay Loam
SC = Sandy Clay
SCL = Sandy Clay Loam
CL = Clay Loam
Si = Silt
SiL = Silt Loam
L = Loam
S = Sand
LS = Loamy Sand
SL = Sandy Loam

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

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

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04030459

CASE NARRATIVE

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the last four digits of the tracking number located in the lower right corner.

Date: *24-Aug-04*

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04030459

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED REPORT
The report has been revised, the incorrect density value was uploaded.

COMMENTS
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SiCL = Silty Clay Loam
SC = Sandy Clay
SCL = Sandy Clay Loam
CL = Clay Loam
Si = Silt
SiL = Silt Loam
L = Loam
S = Sand
LS = Loamy Sand
SL = Sandy Loam

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eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

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Project: Yerington Dust Study
Sample Delivery Group: C04030459

CASE NARRATIVE

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the last four digits of the tracking number located in the lower right corner.

Date: *31-Aug-04*

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04030459

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

REVISED REPORT
Revised report to include Radium 223 on all samples.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package. A copy of the submittal(s) has been included and tracked in the data package.

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

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol. NELAC Certification Number E87641.

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The total number of pages of this report are indicated by the page number located in the lower right corner.

ENERGY LABORATORIES
ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5259

Sample ID: **MB-R33006** SampType: **MBLK** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040325A**
Client ID: Batch ID: **5259** TestNo: **E907.0** Analysis Date: **3/25/2004** SeqNo: **661911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	0.100	0.010	0	0				0	0		
Thorium 230	0.100	0.010	0	0				0	0		
Thorium 232	0.300	0.010	0	0				0	0		

Sample ID: **LCS-R33006** SampType: **LCS** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040325A**
Client ID: Batch ID: **5259** TestNo: **E907.0** Analysis Date: **3/25/2004** SeqNo: **661912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	5.70	0.010	6.3	0.1	88.9	70	130	0	0		

Sample ID: **C04030459-007CMS** SampType: **MS** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040325A**
Client ID: **TSA-B-05-01** Batch ID: **5259** TestNo: **E907.0** Analysis Date: **3/25/2004** SeqNo: **661935**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	4.72	0.10	3.15	1.86	90.8	70	130	0	0		

Sample ID: **C04030459-007CMS** SampType: **DUP** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040325A**
Client ID: **TSA-B-05-01** Batch ID: **5259** TestNo: **E907.0** Analysis Date: **3/25/2004** SeqNo: **661936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	5.12	0.10	0	0		70	130	4.72	8.1	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank
A - Analyte concentration greater than three times the spike amount

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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5264

Sample ID: **C04030459-001ADU** SampType: **DUP** TestCode: **PSA-TEXTURE-S** Units: **%** Prep Date: **3/17/2004** Run ID: **PSA_040318A**
Client ID: **TSA-A** Batch ID: **5264** TestNo: **ASA15-5** Analysis Date: **3/18/2004** SeqNo: **654139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Clay	8.0	1.0	0	0				8	0	20	
Sand	57	1.0	0	0				56	1.8	20	
Silt	35	1.0	0	0				36	2.8	20	
Texture	ND	1.0	0	0				0	0	0	

Qualifiers:
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CLIENT: SRK Consulting
Work Order: C04030459
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *13-Apr-04*

BatchID: 5265

Sample ID: **C04030185-011B MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **3/17/2004** Run ID: **CVAA-C201_040317A**
Client ID: Batch ID: **5265** TestNo: **SW7471A** Analysis Date: **3/17/2004** SeqNo: **652978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.1	0.050	1.175	0	96.9	85	115	0	0		

Sample ID: **C04030185-011B MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **3/17/2004** Run ID: **CVAA-C201_040317A**
Client ID: Batch ID: **5265** TestNo: **SW7471A** Analysis Date: **3/17/2004** SeqNo: **652979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.1	0.050	1.185	0	96.8	85	115	1.139	0.8	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
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A - Analyte concentration greater than three times the spike amount

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

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

Company Name: SRK Consulting

Project Name, PWS #, Permit #, Etc.: Yerington Dust Study

Report Mail Address: Rod Grebb - SRK Consulting, 19 Old Town Square Suite 238, Fort Collins, CO 80524

Contact Name, Phone, Fax, E-mail: Rod Grebb, 970-407-8302, rgrebb@srk.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

Purchase Order #: 113922.1000

ELI Quote #:

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp _____ °C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Solids/Solids Vegetation Bioassay Other / MATRIX	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:
1	TSA-A-07-01	3/3/4	1255	1-S	X	X		1 Bag
2	TSA-A-03-02	"	1310	"	X	X		"
3	TSA-A-04-03	"	1305	"	X	X		"
4	TSA-A-06-04	"	1300	"	X	X		"
5	TSA-A-00-05	"	1320	"	X	X		"
6	TSA-A-01-06	"	1315	"	X	X		"
7								
8								
9								
10								

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 03/03 1500 Shipped by: UPS Received by: [signature] Date/Time: 3/10 0910

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX									SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:
1	TSA-B-05-01	3/3/04	1415	1-5									X	X		1 Bag
2	TSA-B-08-02	"	1418	1-5									X	X		"
3	TSA-B-11-03	"	1420	1-5									X	X		"
4	TSA-B-00-04	"	1405	1-5									X	X		"
5	TSA-B-03-05	"	1410	1-5									X	X		"
6	TSA-B-13-06	"	1325	1-5									X	X		"
7																
8																
9																
10																

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/3/04 1500 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1000

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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1	TSA-C-28-01	03/04/04	1055	1-S								X	X		1 Bag
2	TSA-C-12 -02	"	1132	"								X	X		"
3	TSA-C-13-03	"	1129	"								X	X		"
4	TSA-C-30 -04	"	1050	"								X	X		"
5	TSA-C-21 -05	"	1125	"								X	X		"
6	TSA-C-02 -06	"	1140	"								X	X		"
7															
8															
9															
10															

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/4/04 1430 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1000

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

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Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	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)								SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	TSA-D-52-01	03/04/04	1110	1-S								X	X		1 Bag	
2	TSA-D-71-02	"	1105	"								X	X		"	
3	TSA-D-21-03	"	1205	"								X	X		"	
4	TSA-D-05-04	"	1150	"								X	X		"	
5	TSA-D-30-05	"	1198	"								X	X		"	
6	TSA-D-09-06	"	1210	"								X	X		"	
7																
8																
9																
10																

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/4/4 1430 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 10

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

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EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

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1	TSA-E-90-01	3/4/4	1330	1-S								X	X		1 Bag	
2	TSA-E-89-02	"	1325	"								X	X		"	
3	TSA-E-92-03	"	1340	"								X	X		"	
4	TSA-E-100-04	"	1400	"								X	X		"	
5	TSA-E-95-05	"	1350	"								X	X		"	
6	TSA-E-93-06	"	1345	"								X	X		"	
7																
8																
9																
10																

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 03/04/04 1420 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1000

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX								SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	TSA-A-09-07	3/3/4	~~1330~~ 1345	1-S								X	X		1 Bag	0403069
2	TSA-B-15-07	3/3/4	1330	"								X	X		"	
3	TSA-C-06-07	3/4/4	1135	"								X	X		"	
4	TSA-D-00-07	3/4/4	1145	"								X	X		"	
5	TSA-E-101-07	3/4/4	1405	"								X	X		"	
6																
7																
8																
9																
10																

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 3/4/4 1430 Shipped by: UPS Received by: [signature] Date/Time: 3/10/04 1100

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

Sample Disposal: Return to client: _____ Lab Disposal: _____

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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