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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 12:00
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-006
Client Sample ID: EPSA1-A-16-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 235	ND	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 235 precision (±)	0.04	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 238	1.6	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.2	pCi/g-dry				E907.0	08/05/04 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: 08/17/04
Collection Date: 07/01/04 12:35
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-007
Client Sample ID: EPSA1-B-20-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	57.0	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 20 Sieve, Retained	43.0	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 40 Sieve, Passed	35.8	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 40 Sieve, Retained	64.2	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 60 Sieve, Passed	28.2	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 60 Sieve, Retained	71.8	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 100 Sieve, Passed	21.4	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 100 Sieve, Retained	78.6	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 140 Sieve, Passed	17.6	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 140 Sieve, Retained	82.4	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 200 Sieve, Passed	15.1	%		1.0		ASA15-2	07/26/04 08:00 / lmh
No. 200 Sieve, Retained	84.9	%		1.0		ASA15-2	07/26/04 08:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	18	%		1.0		ASA15-5	07/27/04 08:00 / lmh
Sand	2	%		1.0		ASA15-5	07/27/04 08:00 / lmh
Silt	80	%		1.0		ASA15-5	07/27/04 08:00 / lmh
Texture	SiL			1.0		ASA15-5	07/27/04 08:00 / lmh
PHYSICAL PROPERTIES							
Density	2.0	g/cc		0.1		E1109	07/26/04 09:00 / lmh
Moisture	12.9	%		0.1		USDA26	07/14/04 08:30 / lmh
METALS - TOTAL							
Aluminum	6960	mg/kg-dry		2.5		SW6010B	08/03/04 14:08 / ts
Antimony	ND	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Arsenic	2.67	mg/kg-dry	D	0.86		SW6020	07/27/04 16:18 / bws
Barium	23.7	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Beryllium	0.72	mg/kg-dry	D	0.65		SW6020	07/27/04 16:18 / bws
Boron	236	mg/kg-dry		5.0		SW6010B	08/03/04 14:08 / ts
Cadmium	ND	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Calcium	70800	mg/kg-dry		50		SW6010B	08/03/04 14:08 / ts
Chromium	10.0	mg/kg-dry	D	0.97		SW6020	07/27/04 16:18 / bws
Cobalt	18.4	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Copper	1050	mg/kg-dry	D	0.54		SW6020	07/27/04 16:18 / bws
Iron	117000	mg/kg-dry		2.5		SW6010B	08/03/04 14:08 / ts
Lead	2.50	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Magnesium	6660	mg/kg-dry		50		SW6010B	08/03/04 14:08 / ts

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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 12:35
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-007
Client Sample ID: EPSA1-B-20-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	385	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	07/31/04 10:59 / sml
Molybdenum	6.84	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Nickel	11.0	mg/kg-dry	D	0.93		SW6020	07/27/04 16:18 / bws
Potassium	3800	mg/kg-dry		50		SW6010B	08/03/04 14:08 / ts
Selenium	ND	mg/kg-dry	D	2.9		SW6020	07/27/04 16:18 / bws
Silver	ND	mg/kg-dry	D	0.63		SW6020	07/27/04 16:18 / bws
Sodium	13900	mg/kg-dry		50		SW6010B	08/03/04 14:08 / ts
Thallium	1.98	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Vanadium	11.6	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
Zinc	27.2	mg/kg-dry		0.50		SW6020	07/27/04 16:18 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	22.1	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Gross Gamma precision (±)	2.4	pCi/g-dry				E901.1	07/19/04 16:03 / db
Actinium 228	2.3	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Actinium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/19/04 16:03 / db
Bismuth 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212	8.6	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212 precision (±)	0.6	pCi/g-dry				E901.1	07/19/04 16:03 / db
Lead 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Potassium 40	7.4	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Potassium 40 precision (±)	1.0	pCi/g-dry				E901.1	07/19/04 16:03 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 226	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228	2.3	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/19/04 16:03 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
RADIONUCLIDES - TOTAL							
Thorium 228	0.7	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.1	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	2.9	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.3	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 232	0.6	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.1	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	6.0	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.3	pCi/g-dry				E907.0	08/05/04 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: 08/17/04
Collection Date: 07/01/04 12:35
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-007
Client Sample ID: EPSA1-B-20-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 235	0.2	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 235 precision (±)	0.06	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 238	5.1	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.3	pCi/g-dry				E907.0	08/05/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 14:55
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-008
Client Sample ID: EPSA1-C-19-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	38.8	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 20 Sieve, Retained	61.2	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 40 Sieve, Passed	31.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 40 Sieve, Retained	68.7	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 60 Sieve, Passed	23.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 60 Sieve, Retained	76.8	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 100 Sieve, Passed	17.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 100 Sieve, Retained	82.7	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 140 Sieve, Passed	14.1	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 140 Sieve, Retained	85.9	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 200 Sieve, Passed	12.0	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 200 Sieve, Retained	88.0	%		1.0		ASA15-2	07/27/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	30	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	0	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	70	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Texture	SiCL			1.0		ASA15-5	07/30/04 08:00 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	07/27/04 17:30 / lmh
Moisture	31.4	%		0.1		USDA26	07/14/04 08:30 / lmh
METALS - TOTAL							
Aluminum	6830	mg/kg-dry		2.5		SW6010B	08/03/04 14:14 / ts
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Arsenic	3.1	mg/kg-dry	D	0.9		SW6020	08/02/04 16:42 / bws
Barium	17.3	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Beryllium	0.7	mg/kg-dry	D	0.6		SW6020	08/02/04 16:42 / bws
Boron	308	mg/kg-dry		5.0		SW6010B	08/03/04 14:14 / ts
Cadmium	ND	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Calcium	41500	mg/kg-dry		50		SW6010B	08/03/04 14:14 / ts
Chromium	12	mg/kg-dry	D	1		SW6020	08/02/04 16:42 / bws
Cobalt	128	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Copper	3920	mg/kg-dry	D	1.5		SW6020	08/04/04 09:42 / bws
Iron	160000	mg/kg-dry		2.5		SW6010B	08/03/04 14:14 / ts
Lead	1.6	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Magnesium	13600	mg/kg-dry		50		SW6010B	08/03/04 14:14 / ts

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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 14:55
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-008
Client Sample ID: EPSA1-C-19-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	752	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	07/31/04 11:02 / sml
Molybdenum	1.6	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Nickel	53.8	mg/kg-dry	D	0.9		SW6020	08/02/04 16:42 / bws
Potassium	981	mg/kg-dry		50		SW6010B	08/03/04 14:14 / ts
Selenium	ND	mg/kg-dry	D	3		SW6020	08/02/04 16:42 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 16:42 / bws
Sodium	18600	mg/kg-dry		50		SW6010B	08/03/04 14:14 / ts
Thallium	0.6	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Vanadium	24.1	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
Zinc	125	mg/kg-dry		0.5		SW6020	08/02/04 16:42 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	16.0	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Gross Gamma precision (±)	1.9	pCi/g-dry				E901.1	07/19/04 16:03 / db
Actinium 228	4.3	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Actinium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/19/04 16:03 / db
Bismuth 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212	3.4	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212 precision (±)	0.2	pCi/g-dry				E901.1	07/19/04 16:03 / db
Lead 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Potassium 40	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 226	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228	4.3	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/19/04 16:03 / db
Thorium 234	6.0	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Thorium 234 precision (±)	0.9	pCi/g-dry				E901.1	07/19/04 16:03 / db
RADIONUCLIDES - TOTAL							
Thorium 228	2.0	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.3	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	2.7	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.4	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 232	0.6	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.2	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	5.4	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.9	pCi/g-dry				E907.0	08/05/04 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: 08/17/04
Collection Date: 07/01/04 14:55
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-008
Client Sample ID: EPSA1-C-19-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 235	ND	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238	4.1	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.8	pCi/g-dry				E907.0	08/05/04 10:30 / ph

Report Definitions:
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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: 08/17/04
Collection Date: 07/01/04 15:40
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-009
Client Sample ID: EPSA1-D-21-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	34.9	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 20 Sieve, Retained	65.1	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 40 Sieve, Passed	22.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 40 Sieve, Retained	77.7	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 60 Sieve, Passed	16.4	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 60 Sieve, Retained	83.6	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 100 Sieve, Passed	12.0	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 100 Sieve, Retained	88.0	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 140 Sieve, Passed	7.8	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 140 Sieve, Retained	92.2	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 200 Sieve, Passed	6.4	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 200 Sieve, Retained	93.6	%		1.0		ASA15-2	07/27/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	20	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	0	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	80	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Texture	SiL			1.0		ASA15-5	07/30/04 08:00 / lmh
PHYSICAL PROPERTIES							
Density	2.0	g/cc		0.1		E1109	07/27/04 17:30 / lmh
Moisture	26.6	%		0.1		USDA26	07/14/04 08:30 / lmh
METALS - TOTAL							
Aluminum	8540	mg/kg-dry		2.5		SW6010B	08/03/04 14:20 / ts
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Arsenic	5.8	mg/kg-dry	D	0.9		SW6020	08/02/04 16:49 / bws
Barium	17.3	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Beryllium	1.0	mg/kg-dry	D	0.6		SW6020	08/02/04 16:49 / bws
Boron	311	mg/kg-dry		5.0		SW6010B	08/03/04 14:20 / ts
Cadmium	ND	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Calcium	33100	mg/kg-dry		50		SW6010B	08/03/04 14:20 / ts
Chromium	18	mg/kg-dry	D	1		SW6020	08/02/04 16:49 / bws
Cobalt	72.4	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Copper	2150	mg/kg-dry	D	0.5		SW6020	08/02/04 16:49 / bws
Iron	161000	mg/kg-dry		2.5		SW6010B	08/03/04 14:20 / ts
Lead	1.2	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Magnesium	11300	mg/kg-dry		50		SW6010B	08/03/04 14:20 / ts

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 15:40
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-009
Client Sample ID: EPSA1-D-21-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	762	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Mercury	0.2	mg/kg-dry		0.1		SW7471A	07/31/04 11:04 / sml
Molybdenum	1.4	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Nickel	43.4	mg/kg-dry	D	0.9		SW6020	08/02/04 16:49 / bws
Potassium	658	mg/kg-dry		50		SW6010B	08/03/04 14:20 / ts
Selenium	ND	mg/kg-dry	D	3		SW6020	08/02/04 16:49 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 16:49 / bws
Sodium	19200	mg/kg-dry		50		SW6010B	08/03/04 14:20 / ts
Thallium	ND	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Vanadium	41.5	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
Zinc	105	mg/kg-dry		0.5		SW6020	08/02/04 16:49 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	15.0	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Gross Gamma precision (±)	2.2	pCi/g-dry				E901.1	07/19/04 16:03 / db
Actinium 228	3.1	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Actinium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/19/04 16:03 / db
Bismuth 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212	2.7	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212 precision (±)	0.2	pCi/g-dry				E901.1	07/19/04 16:03 / db
Lead 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Potassium 40	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 226	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228	3.1	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/19/04 16:03 / db
Thorium 234	6.4	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Thorium 234 precision (±)	1.2	pCi/g-dry				E901.1	07/19/04 16:03 / db
RADIONUCLIDES - TOTAL							
Thorium 228	1.4	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.4	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	2.0	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.5	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 232	0.5	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.3	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	10	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.4	pCi/g-dry				E907.0	08/05/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 15:40
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-009
Client Sample ID: EPSA1-D-21-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 235	0.3	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 235 precision (±)	0.08	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 238	7.7	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.4	pCi/g-dry				E907.0	08/05/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 16:45
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-010
Client Sample ID: EPSA1-E-01-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	67.0	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 20 Sieve, Retained	33.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 40 Sieve, Passed	43.9	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 40 Sieve, Retained	56.1	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 60 Sieve, Passed	37.2	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 60 Sieve, Retained	62.8	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 100 Sieve, Passed	27.7	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 100 Sieve, Retained	72.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 140 Sieve, Passed	22.8	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 140 Sieve, Retained	77.2	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 200 Sieve, Passed	18.7	%		1.0		ASA15-2	07/27/04 07:00 / lmh
No. 200 Sieve, Retained	81.3	%		1.0		ASA15-2	07/27/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	19	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	1	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	80	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Texture	SiL			1.0		ASA15-5	07/30/04 08:00 / lmh
PHYSICAL PROPERTIES							
Density	2.2	g/cc		0.1		E1109	07/27/04 17:30 / lmh
Moisture	23.9	%		0.1		USDA26	07/14/04 08:30 / lmh
METALS - TOTAL							
Aluminum	5320	mg/kg-dry		2.5		SW6010B	08/03/04 14:48 / ts
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Arsenic	1.8	mg/kg-dry	D	0.9		SW6020	08/02/04 16:57 / bws
Barium	14.2	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 16:57 / bws
Boron	178	mg/kg-dry		5.0		SW6010B	08/03/04 14:48 / ts
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/02/04 16:57 / bws
Calcium	30600	mg/kg-dry		50		SW6010B	08/03/04 14:48 / ts
Chromium	8	mg/kg-dry	D	1		SW6020	08/02/04 16:57 / bws
Cobalt	17.3	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Copper	488	mg/kg-dry	D	0.6		SW6020	08/02/04 16:57 / bws
Iron	92400	mg/kg-dry		2.5		SW6010B	08/03/04 14:48 / ts
Lead	1.9	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Magnesium	4870	mg/kg-dry		50		SW6010B	08/03/04 14:48 / ts

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 16:45
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-010
Client Sample ID: EPSA1-E-01-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	288	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	07/31/04 11:06 / sml
Molybdenum	2.9	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Nickel	9.4	mg/kg-dry	D	0.9		SW6020	08/02/04 16:57 / bws
Potassium	1720	mg/kg-dry		50		SW6010B	08/03/04 14:48 / ts
Selenium	ND	mg/kg-dry	D	3		SW6020	08/02/04 16:57 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 16:57 / bws
Sodium	12100	mg/kg-dry		50		SW6010B	08/03/04 14:48 / ts
Thallium	0.9	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Vanadium	9.6	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
Zinc	23.5	mg/kg-dry		0.5		SW6020	08/02/04 16:57 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	7.8	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Gross Gamma precision (±)	0.9	pCi/g-dry				E901.1	07/19/04 16:03 / db
Actinium 228	2.9	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Actinium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/19/04 16:03 / db
Bismuth 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 212	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Lead 214	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Potassium 40	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 226	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228	2.9	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
Radium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/19/04 16:03 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	07/19/04 16:03 / db
RADIONUCLIDES - TOTAL							
Thorium 228	1.2	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.3	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	0.6	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.08	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 232	0.6	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.2	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	6.5	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.3	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 235	0.2	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 235 precision (±)	0.05	pCi/g-dry				E907.0	08/05/04 10:30 / ph

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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/01/04 16:45
Date Received: 07/09/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070423-010
Client Sample ID: EPSA1-E-01-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 238	4.9	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.3	pCi/g-dry				E907.0	08/05/04 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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Date: *31-Aug-04*

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04070423

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.

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 page number located in the lower right corner.

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CLIENT: SRK Consulting
Work Order: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6025

Sample ID: **C04070423-001B MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **7/23/2004** Run ID: **CVAA-C201_040723A**
Client ID: **EPSA1-A** Batch ID: **6025** TestNo: **SW7471A** Analysis Date: **7/23/2004** SeqNo: **782025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.87	0.050	0.7762	0.1191	96.2	85	115	0	0		

Sample ID: **C04070423-001B MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **7/23/2004** Run ID: **CVAA-C201_040723A**
Client ID: **EPSA1-A** Batch ID: **6025** TestNo: **SW7471A** Analysis Date: **7/23/2004** SeqNo: **782026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.84	0.050	0.7809	0.1191	92.5	85	115	0.8657	2.8	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: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6065

Sample ID: **C04070423-010B MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **7/30/2004** Run ID: **CVAA-C201_040731A**
Client ID: **EPSA1-E-01-01** Batch ID: **6065** TestNo: **SW7471A** Analysis Date: **7/31/2004** SeqNo: **793065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.1	0.10	1.18	0	91.8	85	115	0	0		

Sample ID: **C04070700-010B MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **7/30/2004** Run ID: **CVAA-C201_040731A**
Client ID: Batch ID: **6065** TestNo: **SW7471A** Analysis Date: **7/31/2004** SeqNo: **793082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.8	0.10	0.9382	1.018	87.1	85	115	0	0		

Sample ID: **C04070423-007B MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **CVAA-C201_040802A**
Client ID: **EPSA1-B-20-01** Batch ID: **6065** TestNo: **SW7471A** Analysis Date: **8/2/2004** SeqNo: **793977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.91	0.050	0.8752	0	104	85	115	0	0		

Sample ID: **C04070423-010B MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **7/30/2004** Run ID: **CVAA-C201_040731A**
Client ID: **EPSA1-E-01-01** Batch ID: **6065** TestNo: **SW7471A** Analysis Date: **7/31/2004** SeqNo: **793066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.2	0.10	1.16	0	99.7	85	115	1.083	6.6	30	

Sample ID: **C04070700-010B MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **7/30/2004** Run ID: **CVAA-C201_040731A**
Client ID: Batch ID: **6065** TestNo: **SW7471A** Analysis Date: **7/31/2004** SeqNo: **793083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.9	0.10	0.9315	1.018	93.9	85	115	1.835	3.1	30	

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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Work Order: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6065

Sample ID: **C04070423-007B MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **CVAA-C201_040802A**
Client ID: **EPSA1-B-20-01** Batch ID: **6065** TestNo: **SW7471A** Analysis Date: **8/2/2004** SeqNo: **793978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.95	0.050	0.8675	0	109	85	115	0.9062	4.5	30	

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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ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6066

Sample ID: **C04071170-009A MS** SampType: **MS** TestCode: **CVAA-HG-7471-S** Units: **mg/kg** Prep Date: **7/30/2004** Run ID: **CVAA-C201_040731A**
Client ID: Batch ID: **6066** TestNo: **SW7471A** Analysis Date: **7/31/2004** SeqNo: **793093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.65	0.050	0.5999	0	108	85	115	0	0		

Sample ID: **C04071170-009A MS** SampType: **MSD** TestCode: **CVAA-HG-7471-S** Units: **mg/kg** Prep Date: **7/30/2004** Run ID: **CVAA-C201_040731A**
Client ID: Batch ID: **6066** TestNo: **SW7471A** Analysis Date: **7/31/2004** SeqNo: **793094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.63	0.050	0.5572	0	112	85	115	0	0		

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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6030

Sample ID: **MB-6030** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6030** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794348**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.02	0.003	0	0				0	0		
Antimony	ND	0.0009	0	0				0	0		
Arsenic	ND	0.002	0	0				0	0		
Barium	ND	0.0008	0	0				0	0		
Beryllium	ND	0.001	0	0				0	0		
Cadmium	ND	0.001	0	0				0	0		
Chromium	0.002	0.0009	0	0				0	0		
Cobalt	ND	0.0006	0	0				0	0		
Copper	ND	0.001	0	0				0	0		
Lead	0.0004	0.0004	0	0				0	0		
Manganese	ND	0.0008	0	0				0	0		
Molybdenum	ND	0.001	0	0				0	0		
Nickel	ND	0.002	0	0				0	0		
Selenium	ND	0.006	0	0				0	0		
Silver	ND	0.0008	0	0				0	0		
Thallium	ND	0.0007	0	0				0	0		
Vanadium	ND	0.0007	0	0				0	0		
Zinc	0.002	0.00001	0	0				0	0		

Sample ID: **C04070901-001AMS** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6030** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.4	2.5	25	0	110	85	125	0	0		
Arsenic	23.9	0.86	25	0	95.5	85	125	0	0		
Barium	35.8	5.0	25	5.67	121	85	125	0	0		
Beryllium	24.3	0.65	25	0	97.2	85	125	0	0		
Cadmium	23.6	0.66	25	0	94.3	85	125	0	0		
Chromium	25.8	2.5	25	0	103	85	125	0	0		
Cobalt	27.1	0.50	25	0	108	85	125	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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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6030

Sample ID: **C04070901-001AMS** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6030** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	25.0	0.60	25	0.675	97.5	85	125	0	0		
Lead	27.5	2.5	25	0.615	107	85	125	0	0		
Manganese	32.5	0.50	25	6.465	104	85	125	0	0		
Molybdenum	30.9	5.0	25	0.925	120	85	125	0	0		
Nickel	25.1	2.5	25	0	100	85	125	0	0		
Thallium	27.0	5.0	25	0	108	85	125	0	0		
Vanadium	26.9	5.0	25	1.085	103	85	125	0	0		
Zinc	24.7	0.50	25	1.925	91.2	85	125	0	0		

Sample ID: **C04070901-001AMS** SampType: **MSD** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6030** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	26.7	2.5	25	0	107	85	125	27.43	2.6	20	
Arsenic	23.1	0.86	25	0	92.5	85	125	23.88	3.2	20	
Barium	34.9	5.0	25	5.67	117	85	125	35.81	2.7	20	
Beryllium	23.4	0.65	25	0	93.6	85	125	24.31	3.8	20	
Cadmium	23.0	0.66	25	0	92	85	125	23.58	2.5	20	
Chromium	25.4	2.5	25	0	102	85	125	25.82	1.7	20	
Cobalt	26.4	0.50	25	0	106	85	125	27.08	2.4	20	
Copper	24.4	0.60	25	0.675	95	85	125	25.05	2.5	20	
Lead	26.7	2.5	25	0.615	104	85	125	27.48	2.8	20	
Manganese	31.8	0.50	25	6.465	101	85	125	32.52	2.2	20	
Molybdenum	29.9	5.0	25	0.925	116	85	125	30.94	3.3	20	
Nickel	23.8	2.5	25	0	95.2	85	125	25.12	5.4	20	
Thallium	26.3	5.0	25	0	105	85	125	27.02	2.7	20	
Vanadium	26.5	5.0	25	1.085	102	85	125	26.9	1.4	20	
Zinc	24.4	0.50	25	1.925	90	85	125	24.72	1.2	20	

Qualifiers:
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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6030

Sample ID: **MB-6030** SampType: **MBLK** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICP2-C_040727A**
Client ID: Batch ID: **6030** TestNo: **SW6010B** Analysis Date: **7/27/2004** SeqNo: **786295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.006	0.00006	0	0				0	0		
Boron	0.02	0.001	0	0				0	0		
Calcium	0.05	0.002	0	0				0	0		
Iron	0.004	0.0001	0	0				0	0		
Magnesium	0.1	0.002	0	0				0	0		
Potassium	0.2	0.002	0	0				0	0		
Sodium	1	0.002	0	0				0	0		

Sample ID: **LCS-6030** SampType: **LCS** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICP2-C_040727A**
Client ID: Batch ID: **6030** TestNo: **SW6010B** Analysis Date: **7/27/2004** SeqNo: **786296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.485	5.0	0.5	0.0056	95.9	90	110	0	0		
Iron	0.498	1.5	0.5	0.0038	98.9	90	110	0	0		

Sample ID: **MB-6030** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040727A**
Client ID: Batch ID: **6030** TestNo: **SW6020** Analysis Date: **7/27/2004** SeqNo: **785447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0009	0	0				0	0		
Arsenic	ND	0.002	0	0				0	0		
Barium	ND	0.0008	0	0				0	0		
Beryllium	ND	0.001	0	0				0	0		
Cadmium	ND	0.001	0	0				0	0		
Chromium	0.001	0.0009	0	0				0	0		
Cobalt	ND	0.0006	0	0				0	0		
Copper	ND	0.001	0	0				0	0		
Lead	ND	0.0004	0	0				0	0		
Manganese	ND	0.0008	0	0				0	0		
Molybdenum	ND	0.001	0	0				0	0		

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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ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6030

Sample ID: **MB-6030** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040727A**
Client ID: Batch ID: **6030** TestNo: **SW6020** Analysis Date: **7/27/2004** SeqNo: **785447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	ND	0.002	0	0				0	0		
Selenium	ND	0.006	0	0				0	0		
Silver	ND	0.0008	0	0				0	0		
Thallium	ND	0.0007	0	0				0	0		
Vanadium	ND	0.0007	0	0				0	0		
Zinc	0.002	0.00001	0	0				0	0		

Sample ID: **C04070423-007BPM** SampType: **MS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040727B**
Client ID: **EPSA1-B-20-01** Batch ID: **6030** TestNo: **SW6020** Analysis Date: **7/27/2004** SeqNo: **786022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.8	0.50	25	0	111	75	125	0	0		
Barium	43.2	0.50	25	23.67	78	75	125	0	0		
Beryllium	25.0	0.65	25	0.72	97.1	75	125	0	0		
Cadmium	27.2	0.66	25	0	109	75	125	0	0		
Chromium	34.4	0.50	25	10.05	97.5	75	125	0	0		
Cobalt	41.9	0.50	25	18.4	94.1	75	125	0	0		
Lead	28.1	0.50	25	2.505	102	75	125	0	0		
Molybdenum	34.2	0.50	25	6.84	109	75	125	0	0		
Silver	9.26	0.50	10	0	92.6	75	125	0	0		
Thallium	27.0	0.50	25	1.985	100	75	125	0	0		
Vanadium	35.2	0.50	25	11.65	94.3	75	125	0	0		

Sample ID: **C04070423-007BPM** SampType: **MSD** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040727B**
Client ID: **EPSA1-B-20-01** Batch ID: **6030** TestNo: **SW6020** Analysis Date: **7/27/2004** SeqNo: **786023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.6	0.50	25	0	110	75	125	27.82	0.8	20	
Barium	48.0	0.50	25	23.67	97.2	75	125	43.16	11	20	
Beryllium	24.4	0.65	25	0.72	94.7	75	125	25	2.5	20	

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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ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6030

Sample ID: **C04070423-007BPM** SampType: **MSD** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040727B**
Client ID: **EPSA1-B-20-01** Batch ID: **6030** TestNo: **SW6020** Analysis Date: **7/27/2004** SeqNo: **786023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	26.9	0.66	25	0	107	75	125	27.22	1.3	20	
Chromium	36.3	0.50	25	10.05	105	75	125	34.42	5.4	20	
Cobalt	45.4	0.50	25	18.4	108	75	125	41.92	8.0	20	
Lead	28.6	0.50	25	2.505	104	75	125	28.09	1.7	20	
Molybdenum	35.7	0.50	25	6.84	116	75	125	34.16	4.5	20	
Silver	9.85	0.50	10	0	98.5	75	125	9.265	6.1	20	
Thallium	27.5	0.50	25	1.985	102	75	125	27	1.7	20	
Vanadium	37.8	0.50	25	11.65	104	75	125	35.22	6.9	20	

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6032

Sample ID: **MB-6032** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **7/26/2004** Run ID: **ICPMS1-C_040802B**
Client ID: Batch ID: **6032** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.002	0	0				0	0		
Manganese	0.006	0.0008	0	0				0	0		
Molybdenum	0.003	0.001	0	0				0	0		
Selenium	ND	0.006	0	0				0	0		

Sample ID: **C04070759-001ADU** SampType: **DUP** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040802B**
Client ID: Batch ID: **6032** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50	0	0				0	0	20	
Manganese	1.29	0.50	0	0				1.227	5.1	20	
Molybdenum	ND	5.0	0	0				0	0	20	
Selenium	ND	0.29	0	0				0	0	20	

Sample ID: **C04070759-011ADU** SampType: **DUP** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040802B**
Client ID: Batch ID: **6032** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.86	0	0				0	0	20	
Manganese	23.0	0.50	0	0				23.37	1.5	20	
Molybdenum	ND	5.0	0	0				0	0	20	
Selenium	ND	2.9	0	0				0	0	20	

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

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **MB-6053** SampType: **MBLK** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP2-C_040730A**
Client ID: Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **7/30/2004** SeqNo: **792018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0001	0.00006	0	0				0	0		
Boron	0.03	0.001	0	0				0	0		
Calcium	ND	0.002	0	0				0	0		
Iron	0.03	0.0001	0	0				0	0		
Magnesium	0.2	0.002	0	0				0	0		
Potassium	ND	0.002	0	0				0	0		
Sodium	0.1	0.002	0	0				0	0		

Sample ID: **MB-6053** SampType: **MBLK** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP1-C_040803A**
Client ID: Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/3/2004** SeqNo: **796104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.007	0.00006	0	0				0	0		
Boron	0.01	0.0001	0	0				0	0		
Calcium	0.03	0.001	0	0				0	0		
Iron	0.08	0.00009	0	0				0	0		
Potassium	ND	0.001	0	0				0	0		
Sodium	ND	0.001	0	0				0	0		

Sample ID: **LCS-6053** SampType: **LCS** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP2-C_040730A**
Client ID: Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **7/30/2004** SeqNo: **792019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.474	5.0	0.5	0.0001	94.7	90	110	0	0		
Iron	0.493	1.5	0.5	0.0344	91.8	90	110	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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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: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **LCS-6053** SampType: **LCS** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP1-C_040803A**
Client ID: Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/3/2004** SeqNo: **796105**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.455	5.0	0.5	0.0001	91	90	110	0	0		
Boron	0.490	5.0	0.5	0.0324	91.6	90	110	0	0		

Sample ID: **C04070423-010BPM** SampType: **MS** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP1-C_040803A**
Client ID: **EPSA1-E-01-01** Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/3/2004** SeqNo: **796102**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	4720	5.0	5000	181	90.8	75	125	0	0		

Sample ID: **C04070423-010BPM** SampType: **MSD** TestCode: **ICP-6010-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP1-C_040803A**
Client ID: **EPSA1-E-01-01** Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/3/2004** SeqNo: **796103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	4640	5.0	5000	181	89.1	75	125	4720	1.8	20	

Sample ID: **MB-6053** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0009	0	0				0	0		
Arsenic	ND	0.002	0	0				0	0		
Barium	ND	0.0008	0	0				0	0		
Beryllium	ND	0.001	0	0				0	0		
Cadmium	ND	0.001	0	0				0	0		
Chromium	0.001	0.0009	0	0				0	0		
Cobalt	ND	0.0006	0	0				0	0		
Copper	ND	0.001	0	0				0	0		
Lead	ND	0.0004	0	0				0	0		
Manganese	ND	0.0008	0	0				0	0		

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Work Order: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **MB-6053** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	0.001	0	0				0	0		
Nickel	ND	0.002	0	0				0	0		
Selenium	ND	0.006	0	0				0	0		
Silver	ND	0.0008	0	0				0	0		
Thallium	ND	0.0007	0	0				0	0		
Vanadium	ND	0.0007	0	0				0	0		
Zinc	0.002	0.00001	0	0				0	0		

Sample ID: **MB-6053** SampType: **MBLK** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040803A**
Client ID: Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0009	0	0				0	0		
Arsenic	ND	0.002	0	0				0	0		
Barium	ND	0.0008	0	0				0	0		
Beryllium	ND	0.001	0	0				0	0		
Cadmium	ND	0.001	0	0				0	0		
Chromium	0.001	0.0009	0	0				0	0		
Cobalt	ND	0.0006	0	0				0	0		
Copper	ND	0.001	0	0				0	0		
Lead	ND	0.0004	0	0				0	0		
Manganese	ND	0.0008	0	0				0	0		
Molybdenum	ND	0.001	0	0				0	0		
Nickel	ND	0.002	0	0				0	0		
Selenium	ND	0.006	0	0				0	0		
Silver	ND	0.0008	0	0				0	0		
Thallium	ND	0.0007	0	0				0	0		
Vanadium	ND	0.0007	0	0				0	0		
Zinc	0.002	0.00001	0	0				0	0		

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CLIENT: SRK Consulting
Work Order: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **LCS1-6053** SampType: **LCS1** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040802C**
Client ID: Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0169	0.50	0.02	0	84.4	75	125	0	0		
Barium	0.0184	0.50	0.02	0	92	75	125	0	0		
Chromium	0.0181	0.50	0.02	0.00136	83.6	75	125	0	0		
Cobalt	0.0176	0.50	0.02	0	88	75	125	0	0		
Copper	0.0166	0.50	0.02	0	83	75	125	0	0		
Lead	0.0170	0.50	0.02	0	84.9	75	125	0	0		
Manganese	0.0177	0.50	0.02	0	88.6	75	125	0	0		
Molybdenum	0.0171	0.50	0.02	0	85.7	75	125	0	0		
Nickel	0.0172	0.50	0.02	0	86.2	75	125	0	0		
Silver	0.0177	0.50	0.02	0	88.6	75	125	0	0		
Thallium	0.0172	0.50	0.02	0	86	75	125	0	0		
Vanadium	0.0170	0.50	0.02	0	85.2	75	125	0	0		

Sample ID: **LCS1-6053** SampType: **LCS1** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040803A**
Client ID: Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0170	0.50	0.02	0	84.8	75	125	0	0		
Barium	0.0185	0.50	0.02	0	92.6	75	125	0	0		
Beryllium	0.0158	0.50	0.02	0	79.2	75	125	0	0		
Cadmium	0.0160	0.50	0.02	0	79.8	75	125	0	0		
Chromium	0.0196	0.50	0.02	0.00119	92	75	125	0	0		
Cobalt	0.0198	0.50	0.02	0	99	75	125	0	0		
Copper	0.0189	0.50	0.02	0	94.6	75	125	0	0		
Lead	0.0172	0.50	0.02	0	85.8	75	125	0	0		
Manganese	0.0186	0.50	0.02	0	93	75	125	0	0		
Molybdenum	0.0193	0.50	0.02	0	96.5	75	125	0	0		
Nickel	0.0186	0.50	0.02	0	92.8	75	125	0	0		
Silver	0.0197	0.50	0.02	0	98.3	75	125	0	0		
Thallium	0.0170	0.50	0.02	0	85	75	125	0	0		

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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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **LCS1-6053** SampType: **LCS1** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040803A**
Client ID: Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vanadium	0.0180	0.50	0.02	0	90.2	75	125	0	0		
Zinc	0.0176	0.50	0.02	0.00199	78.2	75	125	0	0		

Sample ID: **C04070423-010BPM** SampType: **MS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040802C**
Client ID: **EPSA1-E-01-01** Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	26.6	0.50	25	0	106	75	125	0	0		
Arsenic	28.4	0.86	25	1.845	106	75	125	0	0		
Beryllium	22.3	0.65	25	0	89.3	75	125	0	0		
Cadmium	24.1	0.66	25	0	96.4	75	125	0	0		
Chromium	37.9	0.50	25	8.025	119	75	125	0	0		
Lead	28.5	0.50	25	1.945	106	75	125	0	0		
Molybdenum	29.6	0.50	25	2.93	107	75	125	0	0		
Selenium	24.6	2.9	25	0	98.5	75	125	0	0		
Thallium	27.6	0.50	25	0.935	107	75	125	0	0		

Sample ID: **C04070423-008BMS** SampType: **MS** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040803A**
Client ID: **EPSA1-C-19-01** Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	69.0	1.2	62.5	0	110	75	125	0	0		
Beryllium	65.6	1.6	62.5	0	105	75	125	0	0		
Cadmium	66.0	1.7	62.5	0	106	75	125	0	0		
Lead	65.8	0.50	62.5	0	105	75	125	0	0		
Silver	26.7	1.1	25	0	107	75	125	0	0		
Thallium	63.6	0.92	62.5	0	102	75	125	0	0		

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **C04070423-010BPM** SampType: **MSD** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICPMS1-C_040802C**
Client ID: **EPSA1-E-01-01** Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/2/2004** SeqNo: **794336**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.2	0.50	25	0	109	75	125	26.62	2.2	20	
Arsenic	28.8	0.86	25	1.845	108	75	125	28.38	1.4	20	
Beryllium	22.7	0.65	25	0	90.8	75	125	22.32	1.7	20	
Cadmium	24.1	0.66	25	0	96.5	75	125	24.1	0	20	
Chromium	38.6	0.50	25	8.025	122	75	125	37.88	1.9	20	
Lead	28.8	0.50	25	1.945	107	75	125	28.53	1.0	20	
Molybdenum	30.6	0.50	25	2.93	111	75	125	29.64	3.1	20	
Selenium	25.4	2.9	25	0	102	75	125	24.64	3.0	20	
Silver	8.28	0.50	10	0	82.8	75	125	8.385	1.2	20	
Thallium	28.0	0.50	25	0.935	108	75	125	27.57	1.6	20	

Sample ID: **C04070423-008BMS** SampType: **MSD** TestCode: **ICPMS-6020-S-T** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040803A**
Client ID: **EPSA1-C-19-01** Batch ID: **6053** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **795970**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	69.3	1.2	62.5	0	111	75	125	68.95	0.5	20	
Beryllium	64.2	1.6	62.5	0	103	75	125	65.64	2.2	20	
Cadmium	66.4	1.7	62.5	0	106	75	125	65.99	0.5	20	
Lead	65.9	0.50	62.5	0	105	75	125	65.82	0.2	20	
Silver	27.2	1.1	25	0	109	75	125	26.71	1.9	20	
Thallium	63.0	0.92	62.5	0	101	75	125	63.58	0.9	20	

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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: **R37627**

Sample ID: **MB-R37627** SampType: **MBLK** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R37627** TestNo: **E901.1** Analysis Date: **7/19/2004** SeqNo: **789604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	ND	1	0	0				0	0		

Sample ID: **LCS-R37627** SampType: **LCS** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R37627** TestNo: **E901.1** Analysis Date: **7/19/2004** SeqNo: **789603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	280000	2.0	310700	0	90.1	70	130	0	0		

Sample ID: **C04070423-010ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: **EPSA1-E-01-01** Batch ID: **R37627** TestNo: **E901.1** Analysis Date: **7/19/2004** SeqNo: **787149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	6.60	2.0	0	0				7.8	17	30	

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

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CLIENT: SRK Consulting
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Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: **R38520**

Sample ID: **MB-R38520** SampType: **MBLK** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040804A**
Client ID: Batch ID: **R38520** TestNo: **E907.0** Analysis Date: **8/4/2004** SeqNo: **803510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	0.1	0.01	0	0				0	0		
Thorium 230	0.1	0.01	0	0				0	0		
Thorium 232	0.1	0.01	0	0				0	0		

Sample ID: **LCS-R38520** SampType: **LCS** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040804A**
Client ID: Batch ID: **R38520** TestNo: **E907.0** Analysis Date: **8/4/2004** SeqNo: **803511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	4.80	0.20	5.1	0.1	92.2	70	130	0	0		

Sample ID: **C04070423-010CMS** SampType: **MS** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040804A**
Client ID: **EPSA1-E-01-01** Batch ID: **R38520** TestNo: **E907.0** Analysis Date: **8/4/2004** SeqNo: **803532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	1.99	0.10	0.8	1.195	99.4	70	130	0	0		

Sample ID: **C04070423-010CMS** SampType: **DUP** TestCode: **RAD-TH-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040804A**
Client ID: **EPSA1-E-01-01** Batch ID: **R38520** TestNo: **E907.0** Analysis Date: **8/4/2004** SeqNo: **803533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thorium 228	2.02	0.10	0	0		70	130	1.99	1.5	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: C04070423
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: **R38612**

Sample ID: **MB-R38612** SampType: **MBLK** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040805A**
Client ID: Batch ID: **R38612** TestNo: **E907.0** Analysis Date: **8/5/2004** SeqNo: **807049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 234	ND	0.01	0	0				0	0		
Uranium 235	ND	0.01	0	0				0	0		
Uranium 238	ND	0.01	0	0				0	0		

Sample ID: **LCS-R38612** SampType: **LCS** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040805A**
Client ID: Batch ID: **R38612** TestNo: **E907.0** Analysis Date: **8/5/2004** SeqNo: **807050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 238	28.9	0.010	25.1	0	115	70	130	0	0		

Sample ID: **C04070423-010CMS** SampType: **MS** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: Run ID: **EGG-ORTEC_040805A**
Client ID: **EPSA1-E-01-01** Batch ID: **R38612** TestNo: **E907.0** Analysis Date: **8/5/2004** SeqNo: **807071**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 238	11.9	0.10	6.27	4.895	112	70	130	0	0		

Sample ID: **C04070423-010CMS** SampType: **MSD** TestCode: **RAD-U-ISO-S** Units: **pCi/g-dry** Prep Date: **7/30/2004** Run ID: **EGG-ORTEC_040805A**
Client ID: **EPSA1-E-01-01** Batch ID: **R38612** TestNo: **E907.0** Analysis Date: **8/5/2004** SeqNo: **807072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium 238	12.0	0.010	6.27	4.895	113	70	130	11.89	1.0	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

SRK Consulting
Engineers and Scientists

Steffen Robertson and Kirsten (U.S.) Inc.
102 Birch Drive
Yerington, NV.
USA
89447

email: jsawyer@srk.com
URL: http://www.srk.com
Tel: 775.463.9388
Fax: 775.463.9488

TECHNICAL MEMORANDUM

TO: SRK Consulting

ATTENTION: Rod Grebb

FROM: Joe Sawyer

DATE: July 2, 2004

SUBJECT: **Evaporation Pond Study Area #1 (EPSA1)**

PROJ/PROP NO. **113922.100**

The following are the laboratory sample preparation and analysis methods for the EPSA1 samples. The samples will be composted by dry weight as shown in the table below. Before compositing the laboratory for possible future additional analysis will set a split of each individual sample aside. Only the less than 200 mesh fractions will be analyzed for all composites and individual samples.

Composite Composition				
Transect A	Transect B	Transect C	Transect D	Transect E
EPSA1-A-16-01	EPSA1-B-20-01	EPSA1-C-19-01	EPSA1-D-21-01	EPSA1-E-01-01
EPSA1-A-14-02	EPSA1-B-14-02	EPSA1-C-21-02	EPSA1-D-01-02	EPSA1-E-15-02
EPSA1-A-05-03	EPSA1-B-06-03	EPSA1-C-18-03	EPSA1-D-06-03	EPSA1-E-06-03
EPSA1-A-10-04	EPSA1-B-17-04	EPSA1-C-01-04	EPSA1-D-03-04	EPSA1-E-09-04
EPSA1-A-08-05	EPSA1-B-15-05	EPSA1-C-16-05	EPSA1-D-08-05	EPSA1-E-11-05
EPSA1-A-02-06	EPSA1-B-08-06	EPSA1-C-14-06	EPSA1-D-10-06	EPSA1-E-12-06
EPSA1-A-01-07	EPSA1-B-01-07	EPSA1-C-13-07	EPSA1-D-12-07	EPSA1-E-18-07
RESULTING SAMPLE ANALYSIS				
EPSA1-A	EPSA1-B	EPSA1-C	EPSA1-D	EPSA1-E

Additionally the following samples will be analyzed individually.

EPSA1-A-16-01	EPSA1-B-20-01	EPSA1-C-19-01	EPSA1-D-21-01	EPSA1-E-01-01

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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Company Name: SRK Consulting

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

Report Mail Address: Rod Grew SRK Consulting, 19 Old Town Square, Suite 238, Fort Collins Co. 80524

Contact Name, Phone, Fax, E-mail: Rod Grew, 970-407-8302, rgrew@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: n/a °C

Cooler ID(s): bucket

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	EPSAI-A-19-02	07/01/04	1155	1-S									X	X		1 Bag	LABORATORY USE ONLY
2	EPSAI-A-05-03	↓	1122	1-S									X	X		↓	
3	EPSAI-A-10-04	↓	1150	1-S									X	X		↓	
4	EPSAI-A-08-05	↓	1125	1-S									X	X		↓	
5	EPSAI-A-02-06	↓	1119	1-S									X	X		↓	
6	EPSAI-A-01-07	↓	1111	1-S									X	X		↓	
7																	
8																	
9																	
10																	

Tracking # 9040 7042 3 Page

Custody Record MUST be Signed

Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
Joe Sawyer	7/2/04 1000	UPS	[illegible signature]	7/9/04 1000

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

Report Mail Address: Rod Grebb SRK Consulting
190 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	EPSA1-B-14-02	7/1/04	1220	1-S	X	X		1 Bag	
2	EPSA1-B-06-03	↓	1213	1-S	X	X		↓	
3	EPSA1-B-17-04		1228	1-S	X	X			
4	EPSA1-B-15-05		1225	1-S	X	X			
5	EPSA1-B-08-06		1217	1-S	X	X			
6	EPSA1-B-01-07	↓	1208	1-S	X	X		↓	
7									
8									
9									
10									

LABORATORY USE ONLY

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Relinquished by: [signature] Date/Time: 7/2/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/9/04 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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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

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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/Soilds Vegetation Bioassay Other)									SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	EPSAI-C-21-02	7/1/04	1500	1-S									X	X		1 Bag	LABORATORY USE ONLY
2	EPSAI-C-18-03	↓	1447	1-S									X	X		↓	
3	EPSAI-C-01-04	↓	1430	1-S									X	X		↓	
4	EPSAI-C-16-05	↓	1444	1-S									X	X		↓	
5	EPSAI-C-14-06	↓	1440	1-S									X	X		↓	
6	EPSAI-C-13-07	↓	1435	1-S									X	X		↓	
7																	
8																	
9																	
10																	

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

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

LABORATORY USE ONLY
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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 _____

ANALYSIS REQUESTED

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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 (LABORATORY USE ONLY)
1	EPSA1-D-01-02	7/1/04	1515	1-S	X	X		1 Bag	
2	EPSA1-D-06-03	↓	1523	1-S	X	X		↓	
3	EPSA1-D-03-04	↓	1518	1-S	X	X		↓	
4	EPSA1-D-08-05	↓	1525	1-S	X	X		↓	
5	EPSA1-D-10-06	↓	1530	1-S	X	X		↓	
6	EPSA1-D-12-07	↓	1535	1-S	X	X		↓	
7									
8									
9									
10									

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Relinquished by: [signature] 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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rgreeg@SRK.com

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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

	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 (LABORATORY USE ONLY)
1	EPSAI-E-15-02	7/2/04	0905	1-S	X	X		1 Bag	
2	EPSAI-E-06-03	7/1/04	1650	1-S	X	X			
3	EPSAI-E-09-04	7/2/04	0805	1-S	X	X			
4	EPSAI-E-11-05	7/2/04	0855	1-S	X	X			
5	EPSAI-E-12-06	7/2/04	0900	1-S	X	X			
6	EPSAI-E-18-07	7/2/04	0910	1-S	X	X			
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
[signature]	7/2/04 1000	UPS	[signature]	7/9/04 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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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

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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

Comments:

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	Lab ID
1	EPSAI-A-16-01 (1of2)	7/1/04	12noon	1-S	X	X		1 Bag	
2	EPSAI-A-16-01 (2of2)	7/1/04	12noon	1-S	X	X			
3	EPSAI-B-20-01 (1of2)	7/1/04	1235	1-S	X	X			
4	EPSAI-B-20-01 (2of2)	7/1/04	1235	1-S	X	X			
5	EPSAI-C-19-01 (2of2)	7/1/04	1455	1-S	X	X			
6									

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Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/2/04 1000

Relinquished by: Date/Time:

Shipped by: UPS

Shipped by:

Received by: [signature] Date/Time: 7/9/04 1000

Received by: Date/Time:

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

LABORATORY USE ONLY

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

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 Grego SRK Consulting 19 Old Town Square Suite 238 Fort Collins, Co. 80524

Contact Name, Phone, Fax, E-mail: Rod Grego 970-407-8302 rgrego@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 Solids/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	EPSA1-C-19-01 (1 of 2)	7/1/04	1455	1 - S	X	X		1 Bag	
2	EPSA1-D-21-01 (1 of 2)		1540	1 - S	X	X			
3	EPSA1-D-21-01 (2 of 2)		1540	1 - S	X	X			
4	EPSA1-E-01-01 (1 of 2)		1645	1 - S	X	X			
5	EPSA1-E-01-01 (2 of 2)		1645	1 - S	X	X			
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/2/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/4/04 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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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: **SRK Consulting**

Date and Time Received: **7/9/2004 10:00:00**

Work Order Number **C04070423**

Received by: sr

Checklist completed by: Signature _____ Date 7/12/04

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

August 17, 2004

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

Workorder No.: C04070423

Project Name: Yerington Dust Study

Energy Laboratories Inc. received the following 10 samples from SRK Consulting on 7/9/2004 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C04070423-001	EPSA1-A	07/01/04 0:00	07/09/04	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
C04070423-002	EPSA1-B	07/01/04 0:00	07/09/04	Soil	Same As Above
C04070423-003	EPSA1-C	07/01/04 0:00	07/09/04	Soil	Same As Above
C04070423-004	EPSA1-D	07/01/04 0:00	07/09/04	Soil	Same As Above
C04070423-005	EPSA1-E	07/01/04 0:00	07/09/04	Soil	Same As Above
C04070423-006	EPSA1-A-16-01	07/01/04 12:00	07/09/04	Soil	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
C04070423-007	EPSA1-B-20-01	07/01/04 12:35	07/09/04	Soil	Same As Above
C04070423-008	EPSA1-C-19-01	07/01/04 14:55	07/09/04	Soil	Same As Above
C04070423-009	EPSA1-D-21-01	07/01/04 15:40	07/09/04	Soil	Same As Above

C04070423-010	EPSA1-E-01-01	07/01/04 16:45	07/09/04	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:

Date: *17-Aug-04*

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04070423

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.

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.

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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CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04070423

CASE NARRATIVE

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 page number located in the lower right corner.

ENERGY LABORATORIES

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

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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 n/a °C
Cooler ID(s) bucket
Custody Seal Y N
Intact Y N
Signature Match Y N

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:	Lab ID
1	EPSAI-A-14-02	07/01/04	1155	1-S	X	X		1 Bag	
2	EPSAI-A-05-03	↓	1122	1-S	X	X		↓	
3	EPSAI-A-10-04	↓	1150	1-S	X	X		↓	
4	EPSAI-A-08-05	↓	1125	1-S	X	X		↓	
5	EPSAI-A-02-06	↓	1119	1-S	X	X		↓	
6	EPSAI-A-01-07	↓	1111	1-S	X	X		↓	
7									
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10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: Joe Sawyer Date/Time: 7/2/04 1000
Relinquished by: Date/Time:

Shipped by: UPS
Shipped by:

Received by: Sara Kiser Date/Time: 7/9/04 1000
Received by: Date/Time:

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

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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

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1900 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

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2	EPSA1-B-06-03	↓	1213	1-S	X	X		↓	
3	EPSA1-B-17-04	↓	1228	1-S	X	X		↓	
4	EPSA1-B-15-05	↓	1225	1-S	X	X		↓	
5	EPSA1-B-08-06	↓	1217	1-S	X	X		↓	
6	EPSA1-B-01-07	↓	1208	1-S	X	X		↓	
7									
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LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/2/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/9/04 1000

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

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19 Old Town Square, Suite 238
Fort Collins Co. 80524

Contact Name, Phone, Fax, E-mail: Rod Grec66
970-407-8302
rgrec66@SRK.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

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2	EPSAI-C-18-03	↓	1447	1-S	X	X		↓	
3	EPSAI-C-01-04	↓	1430	1-S	X	X		↓	
4	EPSAI-C-16-05	↓	1444	1-S	X	X		↓	
5	EPSAI-C-14-06	↓	1440	1-S	X	X		↓	
6	EPSAI-C-13-07	↓	1435	1-S	X	X		↓	
7									
8									
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LABORATORY USE ONLY

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Relinquished by: [signature] Date/Time: 7/2/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/9/04 10:00

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

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1	EPSAI-D-01-02	7/1/04	1515	1-S	X	X		1 Bag	
2	EPSAI-D-06-03	↓	1523	1-S	X	X		↓	
3	EPSAI-D-03-04	↓	1518	1-S	X	X		↓	
4	EPSAI-D-08-05	↓	1525	1-S	X	X		↓	
5	EPSAI-D-10-06	↓	1530	1-S	X	X		↓	
6	EPSAI-D-12-07	↓	1535	1-S	X	X		↓	
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Relinquished by: [signature] Date/Time: 7/2/04 1000 — Shipped by: UPS — Received by: [signature] Date/Time: 7/9/04 10

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2	EPSAI-E-06-03	7/1/04	1650	1-S	X	X		
3	EPSAI-E-09-04	7/2/04	0805	1-S	X	X		
4	EPSAI-E-11-05	7/2/04	0855	1-S	X	X		
5	EPSAI-E-12-06	7/2/04	0900	1-S	X	X		
6	EPSAI-E-18-07	7/2/04	0910	1-S	X	X		
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Relinquished by: [signature] Date/Time: 7/2/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/9/04 0820

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1	EPSAI-A-16-01 (1of2)	7/1/04	12noon	1-S	X	X		1 Bag
2	EPSAI-A-16-01 (2of2)	7/1/04	12noon	1-S	X	X		↓
3	EPSAI-B-20-01 (1of2)	7/1/04	1235	1-S	X	X		↓
4	EPSAI-B-20-01 (2of2)	7/1/04	1235	1-S	X	X		↓
5	EPSAI-C-19-01 (2of2)	7/1/04	1455	1-S	X	X		↓
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Company Name: SRK Consulting

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

Report Mail Address: Rod Grego SRK Consulting 19 Old Town Square Suite 238 Fort Collins, Co. 80524

Contact Name, Phone, Fax, E-mail: Rod Grego 970-407-8302 rgrego@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

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:
1	EPSAI-C-19-01 (1of2)	7/1/04	1455	1-S								X	X	1 Bag
2	EPSAI-D-21-01 (1of2)		1540	1-S								X	X	
3	EPSAI-D-21-01 (2of2)		1540	1-S								X	X	
4	EPSAI-E-01-01 (1of2)		1645	1-S								X	X	
5	EPSAI-E-01-01 (2of2)		1645	1-S								X	X	
6														
7														
8														
9														
10														

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/2/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/9/04

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

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

...com for additional information, downloadable fee schedule, forms, & links.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-001
Client Sample ID: EPSA2-A

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	39.0	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 20 Sieve, Retained	61.0	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 40 Sieve, Passed	25.0	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 40 Sieve, Retained	75.0	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 60 Sieve, Passed	19.0	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 60 Sieve, Retained	81.0	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 100 Sieve, Passed	14.4	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 100 Sieve, Retained	85.6	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 140 Sieve, Passed	10.5	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 140 Sieve, Retained	89.5	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 200 Sieve, Passed	8.2	%		1.0		ASA15-2	07/28/04 10:00 / lmh
No. 200 Sieve, Retained	91.8	%		1.0		ASA15-2	07/28/04 10:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	11	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	2	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	87	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Texture	Si			1.0		ASA15-5	07/30/04 08:00 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	07/30/04 07:15 / lmh
Moisture	3.9	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	2170	mg/kg-dry		2		SW6020	08/02/04 17:53 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Arsenic	2.4	mg/kg-dry	D	0.9		SW6020	08/02/04 17:53 / bws
Barium	23.7	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 17:53 / bws
Boron	199	mg/kg-dry		5		SW6010B	08/11/04 17:08 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/02/04 17:53 / bws
Calcium	78700	mg/kg-dry		50		SW6010B	08/11/04 14:57 / cp
Chromium	7	mg/kg-dry	D	1		SW6020	08/02/04 17:53 / bws
Cobalt	4.4	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Copper	95.4	mg/kg-dry	D	0.6		SW6020	08/02/04 17:53 / bws
Iron	146000	mg/kg-dry		2		SW6010B	08/11/04 14:57 / cp
Lead	3.9	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Magnesium	945	mg/kg-dry		50		SW6010B	08/11/04 17:08 / cp

Report Definitions:
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-001
Client Sample ID: EPSA2-A

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	85.4	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	07/31/04 11:09 / sml
Molybdenum	9.1	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Nickel	3.3	mg/kg-dry	D	0.9		SW6020	08/02/04 17:53 / bws
Potassium	8120	mg/kg-dry		50		SW6010B	08/11/04 14:57 / cp
Selenium	ND	mg/kg-dry	D	3		SW6020	08/02/04 17:53 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 17:53 / bws
Sodium	13800	mg/kg-dry		50		SW6010B	08/11/04 17:08 / cp
Thallium	4.0	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Vanadium	20.6	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
Zinc	5.6	mg/kg-dry		0.5		SW6020	08/02/04 17:53 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	18.2	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.2	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	3.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Actinium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Bismuth 214	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212	3.6	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212 precision (±)	0.2	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 214	2.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 214 precision (±)	0.2	pCi/g-dry				E901.1	07/29/04 17:00 / db
Potassium 40	7.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228	3.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
RADIONUCLIDES - TOTAL							
Thorium 228	1.0	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.2	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	4.8	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.5	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 232	1.0	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.2	pCi/g-dry				E907.0	08/04/04 10:30 / ph

Report Definitions:
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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: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-001
Client Sample ID: EPSA2-A

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 234	2.0	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.2	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 235	ND	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238	1.5	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.2	pCi/g-dry				E907.0	08/05/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-002
Client Sample ID: ESPA2-B

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	55.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 20 Sieve, Retained	44.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Passed	36.2	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Retained	63.8	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Passed	25.5	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Retained	74.5	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Passed	15.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Retained	84.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Passed	9.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Retained	90.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Passed	6.1	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Retained	93.9	%		1.0		ASA15-2	07/30/04 06:45 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	17	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	6	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	77	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Texture	SiL			1.0		ASA15-5	07/30/04 08:00 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	07/30/04 07:15 / lmh
Moisture	8.2	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	10600	mg/kg-dry	D	4		SW6020	08/05/04 00:54 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Arsenic	7.5	mg/kg-dry	D	0.9		SW6020	08/03/04 23:24 / bws
Barium	52.1	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/03/04 23:24 / bws
Boron	187	mg/kg-dry		5		SW6010B	08/11/04 17:10 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/03/04 23:24 / bws
Calcium	30800	mg/kg-dry		50		SW6010B	08/11/04 15:05 / cp
Chromium	13.5	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Cobalt	30.8	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Copper	1150	mg/kg-dry	D	0.5		SW6020	08/03/04 23:24 / bws
Iron	130000	mg/kg-dry		2		SW6010B	08/11/04 15:05 / cp
Lead	5.0	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Magnesium	5870	mg/kg-dry		50		SW6010B	08/11/04 17:10 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-002
Client Sample ID: ESPA2-B

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	399	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Mercury	0.2	mg/kg-dry		0.1		SW7471A	07/31/04 11:11 / sml
Molybdenum	9.8	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Nickel	23.8	mg/kg-dry	D	0.9		SW6020	08/03/04 23:24 / bws
Potassium	6820	mg/kg-dry		50		SW6010B	08/11/04 15:05 / cp
Selenium	ND	mg/kg-dry	D	3		SW6020	08/03/04 23:24 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/03/04 23:24 / bws
Sodium	13000	mg/kg-dry		50		SW6010B	08/11/04 17:10 / cp
Thallium	2.7	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Vanadium	40.1	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
Zinc	56.2	mg/kg-dry		0.5		SW6020	08/03/04 23:24 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	26.5	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.6	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	4.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Actinium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Bismuth 214	2.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	3.0	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 214	2.7	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 214 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Potassium 40	14.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226	2.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 228	4.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
RADIONUCLIDES - TOTAL							
Thorium 228	1.5	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.4	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	7.2	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.8	pCi/g-dry				E907.0	08/04/04 10:30 / ph

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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: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-002
Client Sample ID: ESPA2-B

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	1.4	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.4	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	11	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.4	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 235	0.3	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 235 precision (±)	0.06	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 238	8.0	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.4	pCi/g-dry				E907.0	08/05/04 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: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-003
Client Sample ID: ESPA2-C

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	75.5	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 20 Sieve, Retained	24.5	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Passed	46.0	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Retained	54.0	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Passed	34.7	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Retained	65.3	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Passed	20.3	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Retained	79.7	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Passed	14.3	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Retained	85.7	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Passed	9.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Retained	90.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	16	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Sand	2	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Silt	82	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Texture	SiL			1.0		ASA15-5	08/04/04 07:40 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	07/30/04 07:15 / lmh
Moisture	2.6	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	4880	mg/kg-dry		2		SW6020	08/03/04 23:52 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Arsenic	8.8	mg/kg-dry	D	0.9		SW6020	08/03/04 23:52 / bws
Barium	52.7	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/03/04 23:52 / bws
Boron	246	mg/kg-dry		5		SW6010B	08/11/04 17:13 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/03/04 23:52 / bws
Calcium	48800	mg/kg-dry		50		SW6010B	08/11/04 15:08 / cp
Chromium	11	mg/kg-dry	D	1		SW6020	08/03/04 23:52 / bws
Cobalt	11.2	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Copper	938	mg/kg-dry	D	0.5		SW6020	08/03/04 23:52 / bws
Iron	164000	mg/kg-dry		2		SW6010B	08/11/04 15:08 / cp
Lead	9.3	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Magnesium	2820	mg/kg-dry		50		SW6010B	08/11/04 17:13 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-003
Client Sample ID: ESPA2-C

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	232	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Mercury	0.1	mg/kg-dry		0.1		SW7471A	07/31/04 11:30 / sml
Molybdenum	12.1	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Nickel	12.9	mg/kg-dry	D	0.9		SW6020	08/03/04 23:52 / bws
Potassium	7680	mg/kg-dry		50		SW6010B	08/11/04 15:08 / cp
Selenium	4	mg/kg-dry	D	3		SW6020	08/03/04 23:52 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/03/04 23:52 / bws
Sodium	16800	mg/kg-dry		50		SW6010B	08/11/04 17:13 / cp
Thallium	4.5	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Vanadium	27.3	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
Zinc	32.0	mg/kg-dry		0.5		SW6020	08/03/04 23:52 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	30.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.7	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	6.0	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Actinium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Bismuth 214	2.2	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	5.3	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212 precision (±)	0.2	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 214	2.5	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 214 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Potassium 40	14.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226	2.2	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 228	6.0	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
RADIONUCLIDES - TOTAL							
Thorium 228	2.1	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.4	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	9.7	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.8	pCi/g-dry				E907.0	08/04/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-003
Client Sample ID: ESPA2-C

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	1.7	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.3	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	6.5	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.3	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 235	0.2	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 235 precision (±)	0.06	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 238	4.8	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.3	pCi/g-dry				E907.0	08/05/04 10:30 / ph

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-004
Client Sample ID: ESPA2-D

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	67.1	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 20 Sieve, Retained	32.9	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Passed	37.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Retained	62.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Passed	28.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Retained	71.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Passed	18.5	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Retained	81.5	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Passed	13.8	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Retained	86.2	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Passed	5.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Retained	94.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	16	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Sand	3	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Silt	81	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Texture	SiL			1.0		ASA15-5	08/04/04 07:40 / lmh
PHYSICAL PROPERTIES							
Density	2.5	g/cc		0.1		E1109	07/30/04 07:15 / lmh
Moisture	4.6	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	3430	mg/kg-dry		2		SW6020	08/03/04 23:59 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Arsenic	7.9	mg/kg-dry	D	0.9		SW6020	08/03/04 23:59 / bws
Barium	55.2	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/03/04 23:59 / bws
Boron	196	mg/kg-dry		5		SW6010B	08/11/04 17:16 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/03/04 23:59 / bws
Calcium	58400	mg/kg-dry		50		SW6010B	08/11/04 15:11 / cp
Chromium	8.8	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Cobalt	7.3	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Copper	316	mg/kg-dry	D	0.5		SW6020	08/03/04 23:59 / bws
Iron	154000	mg/kg-dry		2		SW6010B	08/11/04 15:11 / cp
Lead	9.8	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Magnesium	1640	mg/kg-dry		50		SW6010B	08/11/04 17:16 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-004
Client Sample ID: ESPA2-D

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	133	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Mercury	0.3	mg/kg-dry		0.1		SW7471A	07/31/04 11:32 / sml
Molybdenum	9.9	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Nickel	8.6	mg/kg-dry	D	0.9		SW6020	08/03/04 23:59 / bws
Potassium	7100	mg/kg-dry		50		SW6010B	08/11/04 15:11 / cp
Selenium	ND	mg/kg-dry	D	3		SW6020	08/03/04 23:59 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/03/04 23:59 / bws
Sodium	15500	mg/kg-dry		50		SW6010B	08/11/04 17:16 / cp
Thallium	5.0	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Vanadium	20.1	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
Zinc	19.7	mg/kg-dry		0.5		SW6020	08/03/04 23:59 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	25.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.7	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	4.9	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Actinium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Bismuth 214	2.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	5.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 214	2.0	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 214 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Potassium 40	10.3	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 223	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 224	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226	2.5	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 228	2.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228 precision (±)	0.4	pCi/g-dry				E901.1	07/29/04 17:00 / db
Thorium 234	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
RADIONUCLIDES - TOTAL							
Thorium 228	2.7	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.5	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	12	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	1	pCi/g-dry				E907.0	08/04/04 10:30 / ph

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