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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
RADIONUCLIDES - TOTAL							
Thorium 232	2.9	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.5	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	6.8	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	0.2	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	5.2	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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LABORATORY ANALYTICAL REPORT

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

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-005
Client Sample ID: ESPA2-E

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	64.0	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 20 Sieve, Retained	36.0	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Passed	43.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 40 Sieve, Retained	56.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Passed	36.2	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 60 Sieve, Retained	63.8	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Passed	28.8	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 100 Sieve, Retained	71.2	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Passed	24.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 140 Sieve, Retained	75.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Passed	20.4	%		1.0		ASA15-2	07/30/04 06:45 / lmh
No. 200 Sieve, Retained	79.6	%		1.0		ASA15-2	07/30/04 06:45 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	15	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Sand	2	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Silt	83	%		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	8.2	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	2690	mg/kg-dry		2		SW6020	08/04/04 00:06 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Arsenic	7.2	mg/kg-dry	D	0.9		SW6020	08/04/04 00:06 / bws
Barium	25.9	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/04/04 00:06 / bws
Boron	206	mg/kg-dry		5		SW6010B	08/11/04 17:19 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/04/04 00:06 / bws
Calcium	73000	mg/kg-dry		50		SW6010B	08/11/04 15:22 / cp
Chromium	8.7	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Cobalt	7.0	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Copper	493	mg/kg-dry	D	0.5		SW6020	08/04/04 00:06 / bws
Iron	141000	mg/kg-dry		2		SW6010B	08/11/04 15:22 / cp
Lead	7.7	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Magnesium	1730	mg/kg-dry		50		SW6010B	08/11/04 17:19 / cp

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LABORATORY ANALYTICAL REPORT

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

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-005
Client Sample ID: ESPA2-E

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	139	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Mercury	0.3	mg/kg-dry		0.1		SW7471A	07/31/04 11:35 / sml
Molybdenum	8.8	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Nickel	9.2	mg/kg-dry	D	0.9		SW6020	08/04/04 00:06 / bws
Potassium	5610	mg/kg-dry		50		SW6010B	08/11/04 15:22 / cp
Selenium	3	mg/kg-dry	D	3		SW6020	08/04/04 00:06 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/04/04 00:06 / bws
Sodium	15300	mg/kg-dry		50		SW6010B	08/11/04 17:19 / cp
Thallium	4.1	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Vanadium	14.7	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
Zinc	18.7	mg/kg-dry		0.5		SW6020	08/04/04 00:06 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	22.9	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	1.9	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	ND	pCi/g-dry		2.0		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	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40	8.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	0.9	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	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	1.3	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	6.2	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	1.2	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	4.4	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:
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D - RL increased due to sample matrix interference.
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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: 07/09/04
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-005
Client Sample ID: ESPA2-E

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Uranium 235	0.1	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	3.6	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 10:10
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-006
Client Sample ID: ESPA2-A-04-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	70.7	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 20 Sieve, Retained	29.3	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Passed	37.8	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Retained	62.2	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Passed	27.1	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Retained	72.9	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Passed	17.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Retained	82.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Passed	11.9	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Retained	88.1	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Passed	8.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Retained	91.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	7	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	7	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	86	%		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	08/02/04 08:00 / lmh
Moisture	2.5	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	1140	mg/kg-dry		2		SW6020	08/02/04 18:00 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Arsenic	4.4	mg/kg-dry	D	0.9		SW6020	08/02/04 18:00 / bws
Barium	15.7	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:00 / bws
Boron	276	mg/kg-dry		5		SW6010B	08/11/04 17:21 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/02/04 18:00 / bws
Calcium	85900	mg/kg-dry		50		SW6010B	08/11/04 15:25 / cp
Chromium	5	mg/kg-dry	D	1		SW6020	08/02/04 18:00 / bws
Cobalt	1.4	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Copper	60.4	mg/kg-dry	D	0.6		SW6020	08/02/04 18:00 / bws
Iron	153000	mg/kg-dry		2		SW6010B	08/11/04 15:25 / cp
Lead	2.8	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Magnesium	342	mg/kg-dry		50		SW6010B	08/11/04 17:21 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04 10:10
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-006
Client Sample ID: ESPA2-A-04-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	27.9	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	07/31/04 11:38 / sml
Molybdenum	9.8	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Nickel	3.9	mg/kg-dry	D	0.9		SW6020	08/02/04 18:00 / bws
Potassium	9820	mg/kg-dry		50		SW6010B	08/11/04 15:25 / cp
Selenium	ND	mg/kg-dry	D	3		SW6020	08/02/04 18:00 / bws
Silver	ND	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Sodium	11600	mg/kg-dry		50		SW6010B	08/11/04 17:21 / cp
Thallium	5.1	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Vanadium	16.8	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
Zinc	4.9	mg/kg-dry		0.5		SW6020	08/02/04 18:00 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	22.7	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.9	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	4.7	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	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212	2.7	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	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40	11.4	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	ND	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228	4.7	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	1.1	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 (±)	0.3	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 232	1.1	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	1.1	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 234 precision (±)	0.1	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: 07/08/04 10:10
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-006
Client Sample ID: ESPA2-A-04-01

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	0.7	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.1	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 10:33
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-007
Client Sample ID: ESPA2-B-43-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	73.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 20 Sieve, Retained	27.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Passed	50.8	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Retained	49.2	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Passed	36.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Retained	63.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Passed	20.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Retained	79.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Passed	13.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Retained	86.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Passed	7.2	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Retained	92.8	%		1.0		ASA15-2	07/29/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	9	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	0	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	91	%		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	08/02/04 08:00 / lmh
Moisture	3.0	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	3720	mg/kg-dry		2		SW6020	08/02/04 18:07 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Arsenic	7.4	mg/kg-dry	D	0.9		SW6020	08/02/04 18:07 / bws
Barium	63.8	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:07 / bws
Boron	241	mg/kg-dry		5		SW6010B	08/11/04 17:24 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Calcium	29400	mg/kg-dry		50		SW6010B	08/11/04 15:28 / cp
Chromium	10	mg/kg-dry	D	1		SW6020	08/02/04 18:07 / bws
Cobalt	2.3	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Copper	308	mg/kg-dry	D	0.6		SW6020	08/02/04 18:07 / bws
Iron	173000	mg/kg-dry		2		SW6010B	08/11/04 15:28 / cp
Lead	6.9	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Magnesium	1100	mg/kg-dry		50		SW6010B	08/11/04 17:24 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04 10:33
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-007
Client Sample ID: ESPA2-B-43-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	50.5	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Mercury	0.3	mg/kg-dry		0.1		SW7471A	07/31/04 11:40 / sml
Molybdenum	16.4	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Nickel	5.5	mg/kg-dry	D	0.9		SW6020	08/02/04 18:07 / bws
Potassium	12000	mg/kg-dry		50		SW6010B	08/11/04 15:28 / cp
Selenium	ND	mg/kg-dry	D	3		SW6020	08/02/04 18:07 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:07 / bws
Sodium	14700	mg/kg-dry		50		SW6010B	08/11/04 17:24 / cp
Thallium	5.5	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Vanadium	32.9	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
Zinc	10.8	mg/kg-dry		0.5		SW6020	08/02/04 18:07 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	36.3	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.8	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	2.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.2	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	4.7	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	2.8	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	20.6	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.6	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	2.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.2	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	4.1	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 228 precision (±)	0.6	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Thorium 230	19	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	1.2	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 10:33
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-007
Client Sample ID: ESPA2-B-43-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	3.9	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 232 precision (±)	0.6	pCi/g-dry				E907.0	08/04/04 10:30 / ph
Uranium 234	3.3	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	ND	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238	2.5	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 14:37
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-008
Client Sample ID: ESPA2-C-81-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	85.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 20 Sieve, Retained	14.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Passed	50.2	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Retained	49.8	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Passed	32.7	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Retained	67.3	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Passed	16.1	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Retained	83.9	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Passed	10.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Retained	89.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Passed	5.7	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Retained	94.3	%		1.0		ASA15-2	07/29/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	7	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	7	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	86	%		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	08/02/04 08:00 / lmh
Moisture	0.8	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	3820	mg/kg-dry		2		SW6020	08/04/04 00:14 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Arsenic	8.6	mg/kg-dry	D	0.9		SW6020	08/04/04 00:14 / bws
Barium	66.6	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/04/04 00:14 / bws
Boron	210	mg/kg-dry		5		SW6010B	08/11/04 17:35 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/04/04 00:14 / bws
Calcium	50600	mg/kg-dry		50		SW6010B	08/11/04 15:30 / cp
Chromium	9	mg/kg-dry	D	1		SW6020	08/04/04 00:14 / bws
Cobalt	1.1	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Copper	73.2	mg/kg-dry	D	0.5		SW6020	08/04/04 00:14 / bws
Iron	152000	mg/kg-dry		2		SW6010B	08/11/04 15:30 / cp
Lead	7.6	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Magnesium	548	mg/kg-dry		50		SW6010B	08/11/04 17:35 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04 14:37
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-008
Client Sample ID: ESPA2-C-81-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	38.4	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Mercury	ND	mg/kg-dry		0.1		SW7471A	07/31/04 11:43 / sml
Molybdenum	11.5	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Nickel	2.7	mg/kg-dry	D	0.9		SW6020	08/04/04 00:14 / bws
Potassium	8600	mg/kg-dry		50		SW6010B	08/11/04 15:30 / cp
Selenium	ND	mg/kg-dry	D	3		SW6020	08/04/04 00:14 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/04/04 00:14 / bws
Sodium	14000	mg/kg-dry		50		SW6010B	08/11/04 17:35 / cp
Thallium	3.7	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Vanadium	34.2	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
Zinc	13.2	mg/kg-dry		0.5		SW6020	08/04/04 00:14 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	33.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	2.8	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	6.1	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	2.3	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	4.8	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	2.6	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	17.2	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.6	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	2.3	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 228	6.1	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	2.3	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	10	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

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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 14:37
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-008
Client Sample ID: ESPA2-C-81-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	2.4	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	1.5	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	1.0	pCi/g-dry		0.1		E907.0	08/05/04 10:30 / ph
Uranium 238 precision (±)	0.1	pCi/g-dry				E907.0	08/05/04 10:30 / ph

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04 16:00
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-009
Client Sample ID: ESPA2-D-57-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PARTICLE SIZE ANALYSIS / SIEVE							
No. 20 Sieve, Passed	85.8	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 20 Sieve, Retained	14.2	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Passed	47.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Retained	52.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Passed	33.1	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Retained	66.9	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Passed	20.3	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Retained	79.7	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Passed	13.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Retained	86.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Passed	3.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Retained	96.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	13	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Sand	8	%		1.0		ASA15-5	08/04/04 07:40 / lmh
Silt	79	%		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	2.0	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	3450	mg/kg-dry		2		SW6020	08/02/04 18:14 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Arsenic	11.4	mg/kg-dry	D	0.9		SW6020	08/02/04 18:14 / bws
Barium	74.8	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:14 / bws
Boron	234	mg/kg-dry		5		SW6010B	08/11/04 17:38 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/02/04 18:14 / bws
Calcium	49200	mg/kg-dry		50		SW6010B	08/11/04 15:33 / cp
Chromium	10	mg/kg-dry	D	1		SW6020	08/02/04 18:14 / bws
Cobalt	2.7	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Copper	118	mg/kg-dry	D	0.6		SW6020	08/02/04 18:14 / bws
Iron	158000	mg/kg-dry		2		SW6010B	08/11/04 15:33 / cp
Lead	19.8	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Magnesium	674	mg/kg-dry		50		SW6010B	08/11/04 17:38 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/08/04 16:00
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-009
Client Sample ID: ESPA2-D-57-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	29.1	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Mercury	0.5	mg/kg-dry		0.1		SW7471A	07/31/04 11:45 / sml
Molybdenum	13.0	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Nickel	6.7	mg/kg-dry	D	0.9		SW6020	08/02/04 18:14 / bws
Potassium	8200	mg/kg-dry		50		SW6010B	08/11/04 15:33 / cp
Selenium	4	mg/kg-dry	D	3		SW6020	08/02/04 18:14 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:14 / bws
Sodium	15400	mg/kg-dry		50		SW6010B	08/11/04 17:38 / cp
Thallium	5.1	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Vanadium	24.3	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
Zinc	14.2	mg/kg-dry		0.5		SW6020	08/02/04 18:14 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	47.9	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	3.9	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	8.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Actinium 228 precision (±)	0.6	pCi/g-dry				E901.1	07/29/04 17:00 / db
Bismuth 214	2.9	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.5	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	7.8	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212 precision (±)	0.5	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 214	3.1	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	19.6	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Potassium 40 precision (±)	1.9	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	2.9	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.5	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 228	8.1	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228 precision (±)	0.6	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	3.7	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	19	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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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 16:00
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-009
Client Sample ID: ESPA2-D-57-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	3.9	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	4.4	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	0.1	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
Uranium 238	3.4	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:
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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/09/04 08:30
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-010
Client Sample ID: ESPA2-E-03-01

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	07/29/04 07:00 / lmh
No. 20 Sieve, Retained	61.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Passed	25.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 40 Sieve, Retained	75.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Passed	19.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 60 Sieve, Retained	81.0	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Passed	14.4	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 100 Sieve, Retained	85.6	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Passed	10.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 140 Sieve, Retained	89.5	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Passed	8.2	%		1.0		ASA15-2	07/29/04 07:00 / lmh
No. 200 Sieve, Retained	91.8	%		1.0		ASA15-2	07/29/04 07:00 / lmh
PARTICLE SIZE ANALYSIS / TEXTURE							
Clay	15	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Sand	0	%		1.0		ASA15-5	07/30/04 08:00 / lmh
Silt	85	%		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	2.9	g/cc		0.1		E1109	08/02/04 08:00 / lmh
Moisture	15.9	%		0.1		USDA26	07/20/04 16:00 / lmh
METALS - TOTAL							
Aluminum	6960	mg/kg-dry		2		SW6020	08/02/04 18:21 / bws
Antimony	ND	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Arsenic	8.7	mg/kg-dry	D	0.9		SW6020	08/02/04 18:21 / bws
Barium	68.5	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Beryllium	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:21 / bws
Boron	171	mg/kg-dry		5		SW6010B	08/11/04 17:41 / cp
Cadmium	ND	mg/kg-dry	D	0.7		SW6020	08/02/04 18:21 / bws
Calcium	94400	mg/kg-dry		50		SW6010B	08/11/04 15:36 / cp
Chromium	18.8	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Cobalt	17.3	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Copper	379	mg/kg-dry	D	0.6		SW6020	08/02/04 18:21 / bws
Iron	130000	mg/kg-dry		2		SW6010B	08/11/04 15:36 / cp
Lead	25.8	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Magnesium	3490	mg/kg-dry		50		SW6010B	08/11/04 17:41 / cp

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
Report Date: 08/17/04
Collection Date: 07/09/04 08:30
Date Received: 07/15/04
Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-010
Client Sample ID: ESPA2-E-03-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Manganese	314	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Mercury	1.0	mg/kg-dry		0.1		SW7471A	07/31/04 11:49 / sml
Molybdenum	14.4	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Nickel	13	mg/kg-dry	D	3		SW6020	08/02/04 18:21 / bws
Potassium	5610	mg/kg-dry		50		SW6010B	08/11/04 15:36 / cp
Selenium	4	mg/kg-dry	D	3		SW6020	08/02/04 18:21 / bws
Silver	ND	mg/kg-dry	D	0.6		SW6020	08/02/04 18:21 / bws
Sodium	13900	mg/kg-dry		50		SW6010B	08/11/04 17:41 / cp
Thallium	4.2	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Vanadium	18.9	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
Zinc	24.4	mg/kg-dry		0.5		SW6020	08/02/04 18:21 / bws
RADIONUCLIDES - GAMMA							
Gross Gamma	40.7	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Gross Gamma precision (±)	5.3	pCi/g-dry				E901.1	07/29/04 17:00 / db
Actinium 228	8.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Actinium 228 precision (±)	0.6	pCi/g-dry				E901.1	07/29/04 17:00 / db
Bismuth 214	3.6	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Bismuth 214 precision (±)	0.5	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 212	8.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 212 precision (±)	0.7	pCi/g-dry				E901.1	07/29/04 17:00 / db
Lead 214	3.3	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Lead 214 precision (±)	0.5	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	3.6	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 226 precision (±)	0.5	pCi/g-dry				E901.1	07/29/04 17:00 / db
Radium 228	8.4	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Radium 228 precision (±)	0.6	pCi/g-dry				E901.1	07/29/04 17:00 / db
Thorium 234	9.8	pCi/g-dry		2.0		E901.1	07/29/04 17:00 / db
Thorium 234 precision (±)	1.6	pCi/g-dry				E901.1	07/29/04 17:00 / db
RADIONUCLIDES - TOTAL							
Thorium 228	3.5	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	12	pCi/g-dry		0.1		E907.0	08/04/04 10:30 / ph
Thorium 230 precision (±)	0.6	pCi/g-dry				E907.0	08/04/04 10:30 / ph

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Revised Date: 08/31/04
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Matrix: Soil

Client: SRK Consulting
Project: Yerington Dust Study
Lab ID: C04070700-010
Client Sample ID: ESPA2-E-03-01

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Thorium 232	2.8	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	9.3	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 (±)	0.08	pCi/g-dry				E907.0	08/05/04 10:30 / ph
Uranium 238	7.1	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.

Date: *31-Aug-04*

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04070700

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: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6053

Sample ID: **MB-6053** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP2-C_040811A**
Client ID: Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/11/2004** SeqNo: **806715**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0003	0.00006	0	0				0	0		
Boron	0.05	0.001	0	0				0	0		
Calcium	0.07	0.002	0	0				0	0		
Iron	0.02	0.0001	0	0				0	0		
Magnesium	0.2	0.002	0	0				0	0		
Potassium	ND	0.002	0	0				0	0		
Sodium	0.4	0.002	0	0				0	0		
Strontium	ND	0.00004	0	0				0	0		

Sample ID: **LCS-6053** SampType: **LCS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **7/28/2004** Run ID: **ICP2-C_040811A**
Client ID: Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/11/2004** SeqNo: **806716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.543	5.0	0.5	0.0001	109	85	115	0	0		
Boron	0.548	5.0	0.5	0.0324	103	85	115	0	0		
Iron	0.464	2.5	0.5	0.0344	85.9	85	115	0	0		

Sample ID: **C04070700-001BPM** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICP2-C_040811A**
Client ID: **EPSA2-A** Batch ID: **6053** TestNo: **SW6010B** Analysis Date: **8/11/2004** SeqNo: **806732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Boron	528	5.0	500	56.7	94.4	85	125	0	0		
Potassium	29600	25	25000	8120	85.7	85	125	0	0		
Sodium	35600	25	25000	13730	87.5	85	125	0	0		

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

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: C04070700
Project: Yerington Dust Study

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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B - Analyte detected in the associated Method Blank
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CLIENT: SRK Consulting
Work Order: C04070700
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: 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: 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		

Qualifiers: ND - Not Detected at the Reporting Limit
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Work Order: C04070700
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		

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: SRK Consulting
Work Order: C04070700
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
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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: 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: 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		

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Project: Yerington Dust Study

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: 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: 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	

Qualifiers: ND - Not Detected at the Reporting Limit
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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: 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: **ESPA2-E-03-01** 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: 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: 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: **ESPA2-E-03-01** 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:
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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: 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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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		

Qualifiers:
ND - Not Detected at the Reporting Limit
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A - Analyte concentration greater than three times the spike amount

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CLIENT: SRK Consulting
Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **MB-6073** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040803A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796007**

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	0.002	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		

Sample ID: **MB-6073** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040804B**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/5/2004** SeqNo: **797380**

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		

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: SRK Consulting
Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **MB-6073** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040804B**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/5/2004** SeqNo: **797380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	0.003	0.00001	0	0				0	0		

Sample ID: **MB-6073** SampType: **MBLK** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICP2-C_040811A**
Client ID: Batch ID: **6073** TestNo: **SW6010B** Analysis Date: **8/11/2004** SeqNo: **806729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.00006	0	0				0	0		
Boron	0.001	0.001	0	0				0	0		
Calcium	0.02	0.002	0	0				0	0		
Iron	0.06	0.0001	0	0				0	0		
Magnesium	0.1	0.002	0	0				0	0		
Potassium	ND	0.002	0	0				0	0		
Sodium	0.6	0.002	0	0				0	0		

Sample ID: **LCS1-6073** SampType: **LCS1** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040803A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0164	2.5	0.02	0	82	85	115	0	0		
Arsenic	0.0151	0.50	0.02	0	75.5	85	115	0	0		
Barium	0.0187	5.0	0.02	0	93.3	85	115	0	0		
Beryllium	0.0167	0.50	0.02	0	83.7	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: SRK Consulting
Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **LCS1-6073** SampType: **LCS1** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040803A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0158	0.50	0.02	0	79.2	85	115	0	0		
Chromium	0.0183	2.5	0.02	0.00197	81.8	85	115	0	0		
Cobalt	0.0173	0.50	0.02	0	86.4	85	115	0	0		
Copper	0.0185	0.50	0.02	0	92.6	85	115	0	0		
Lead	0.0176	2.5	0.02	0	88.2	85	115	0	0		
Manganese	0.0177	0.50	0.02	0	88.7	85	115	0	0		
Molybdenum	0.0180	5.0	0.02	0	90.2	85	115	0	0		
Nickel	0.0181	2.5	0.02	0	90.6	85	115	0	0		
Silver	0.0189	0.50	0.02	0	94.7	85	115	0	0		
Thallium	0.0178	5.0	0.02	0	89	85	115	0	0		
Vanadium	0.0179	5.0	0.02	0	89.4	85	115	0	0		

Sample ID: **LCS1-6073** SampType: **LCS1** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040804B**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/5/2004** SeqNo: **797381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0179	2.5	0.02	0	89.4	85	115	0	0		
Barium	0.0178	5.0	0.02	0	88.8	85	115	0	0		
Beryllium	0.0191	0.50	0.02	0	95.4	85	115	0	0		
Cadmium	0.0173	0.50	0.02	0	86.5	85	115	0	0		
Chromium	0.0177	2.5	0.02	0.00133	81.8	85	115	0	0		
Cobalt	0.0177	0.50	0.02	0	88.4	85	115	0	0		
Copper	0.0194	0.50	0.02	0	96.8	85	115	0	0		
Lead	0.0175	2.5	0.02	0	87.6	85	115	0	0		
Manganese	0.0176	0.50	0.02	0	87.8	85	115	0	0		
Molybdenum	0.0196	5.0	0.02	0	98	85	115	0	0		
Nickel	0.0186	2.5	0.02	0	93	85	115	0	0		
Silver	0.0207	0.50	0.02	0	103	85	115	0	0		
Thallium	0.0166	5.0	0.02	0	83.1	85	115	0	0		
Vanadium	0.0172	5.0	0.02	0	86	85	115	0	0		

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Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **LCS-6073** SampType: **LCS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICP2-C_040811A**
Client ID: Batch ID: **6073** TestNo: **SW6010B** Analysis Date: **8/11/2004** SeqNo: **806730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.504	5.0	0.5	0.00425	100	85	115	0	0		
Boron	0.491	5.0	0.5	0	98.3	85	115	0	0		
Iron	0.541	2.5	0.5	0	108	85	115	0	0		

Sample ID: **LCS1-6073** SampType: **LCS1** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040812A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/12/2004** SeqNo: **809280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0194	2.5	0.02	0	96.9	85	115	0	0		
Arsenic	0.0176	0.50	0.02	0	88	85	115	0	0		
Barium	0.0210	5.0	0.02	0	105	85	115	0	0		
Beryllium	0.0172	0.50	0.02	0	86.2	85	115	0	0		
Cadmium	0.0187	0.50	0.02	0.000301	92.1	85	115	0	0		
Chromium	0.0231	2.5	0.02	0.000193	115	85	115	0	0		
Cobalt	0.0215	0.50	0.02	0	107	85	115	0	0		
Copper	0.0216	0.50	0.02	0	108	85	115	0	0		
Lead	0.0210	2.5	0.02	0	105	85	115	0	0		
Manganese	0.0217	0.50	0.02	0	109	85	115	0	0		
Nickel	0.0207	2.5	0.02	0	104	85	115	0	0		
Selenium	0.0761	0.050	0.1	0	76.1	85	115	0	0		
Thallium	0.0216	5.0	0.02	0	108	85	115	0	0		
Vanadium	0.0216	5.0	0.02	0	108	85	115	0	0		
Zinc	0.0184	0.50	0.02	0.001143	86.2	85	115	0	0		

Sample ID: **C04070700-002BMS** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040803A**
Client ID: **ESPA2-B** Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	25.1	2.5	25	0	100	85	125	0	0		
Arsenic	33.8	0.86	25	7.51	105	85	125	0	0		

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Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **C04070700-002BMS** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040803A**
Client ID: **ESPA2-B** Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	77.6	5.0	25	52.1	102	85	125	0	0		
Beryllium	19.2	0.65	25	0	77	85	125	0	0		
Cadmium	24.5	0.66	25	0	98.1	85	125	0	0		
Chromium	37.6	2.5	25	13.46	96.6	85	125	0	0		
Cobalt	55.2	0.50	25	30.75	98	85	125	0	0		
Lead	30.9	2.5	25	5.02	103	85	125	0	0		
Manganese	425	0.50	25	399	103	85	125	0	0		
Molybdenum	36.1	5.0	25	9.76	105	85	125	0	0		
Nickel	48.2	2.5	25	23.78	97.5	85	125	0	0		
Selenium	27.6	2.9	25	0	110	85	125	0	0		
Thallium	28.7	5.0	25	2.74	104	85	125	0	0		
Vanadium	65.4	5.0	25	40.14	101	85	125	0	0		
Zinc	80.1	0.50	25	56.15	95.8	85	125	0	0		

Sample ID: **C04070700-002BMS** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040804B**
Client ID: **ESPA2-B** Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/5/2004** SeqNo: **797384**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.7	2.5	62.5	0	110	85	125	0	0		
Barium	109	5.0	62.5	50.68	93.9	85	125	0	0		
Beryllium	62.7	1.6	62.5	0	100	85	125	0	0		
Cadmium	66.9	1.7	62.5	0	107	85	125	0	0		
Chromium	72.8	2.5	62.5	13.34	95.2	85	125	0	0		
Cobalt	92.7	0.73	62.5	32.41	96.4	85	125	0	0		
Lead	68.4	2.5	62.5	5.488	101	85	125	0	0		
Molybdenum	83.0	5.0	62.5	11.31	115	85	125	0	0		
Thallium	63.4	5.0	62.5	2.775	97	85	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **C04071192-004APM** SampType: **MS** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040812A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/12/2004** SeqNo: **809290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.0	2.5	25	0	108	85	125	0	0		
Arsenic	24.2	0.86	25	0	96.8	85	125	0	0		
Barium	27.9	5.0	25	0.465	110	85	125	0	0		
Beryllium	22.6	0.65	25	0	90.5	85	125	0	0		
Cadmium	24.4	0.66	25	0	97.8	85	125	0	0		
Chromium	25.0	2.5	25	0	99.9	85	125	0	0		
Cobalt	26.2	0.50	25	0	105	85	125	0	0		
Copper	25.4	0.60	25	0	102	85	125	0	0		
Lead	27.0	2.5	25	0.21	107	85	125	0	0		
Manganese	25.3	0.50	25	0.53	99.2	85	125	0	0		
Nickel	25.6	2.5	25	0	102	85	125	0	0		
Selenium	19.6	2.9	25	0	78.5	85	125	0	0		
Thallium	26.8	5.0	25	0	107	85	125	0	0		
Vanadium	25.4	5.0	25	0	101	85	125	0	0		
Zinc	22.9	0.50	25	0.895	88.1	85	125	0	0		

Sample ID: **C04070700-002BMS** SampType: **MSD** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040803A**
Client ID: **ESPA2-B** Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	25.0	2.5	25	0	100	85	125	25.12	0.4	20	
Arsenic	34.2	0.86	25	7.51	107	85	125	33.8	1.1	20	
Barium	77.8	5.0	25	52.1	103	85	125	77.6	0.3	20	
Cadmium	24.5	0.66	25	0	98.2	85	125	24.52	0.1	20	
Chromium	37.1	2.5	25	13.46	94.7	85	125	37.61	1.3	20	
Cobalt	55.1	0.50	25	30.75	97.4	85	125	55.25	0.3	20	
Lead	30.4	2.5	25	5.02	102	85	125	30.87	1.4	20	
Manganese	425	0.50	25	399	105	85	125	424.7	0.1	20	
Molybdenum	36.4	5.0	25	9.76	106	85	125	36.09	0.8	20	
Nickel	47.8	2.5	25	23.78	96	85	125	48.16	0.8	20	

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

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **C04070700-002BMS** SampType: **MSD** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040803A**
Client ID: **ESPA2-B** Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/3/2004** SeqNo: **796016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	27.0	2.9	25	0	108	85	125	27.59	2.3	20	
Thallium	28.4	5.0	25	2.74	103	85	125	28.66	0.8	20	
Vanadium	64.4	5.0	25	40.14	97	85	125	65.45	1.6	20	
Zinc	81.6	0.50	25	56.15	102	85	125	80.1	1.9	20	

Sample ID: **C04070700-002BMS** SampType: **MSD** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: Run ID: **ICPMS1-C_040804B**
Client ID: **ESPA2-B** Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/5/2004** SeqNo: **797385**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	68.1	2.5	62.5	0	109	85	125	68.72	0.9	20	
Barium	111	5.0	62.5	50.68	96	85	125	109.4	1.2	20	
Beryllium	62.3	1.6	62.5	0	99.7	85	125	62.68	0.6	20	
Cadmium	68.1	1.7	62.5	0	109	85	125	66.88	1.8	20	
Chromium	73.7	2.5	62.5	13.34	96.6	85	125	72.84	1.2	20	
Cobalt	94.3	0.73	62.5	32.41	99.1	85	125	92.68	1.8	20	
Lead	68.3	2.5	62.5	5.488	100	85	125	68.44	0.2	20	
Manganese	461	0.96	62.5	404.4	90.6	85	125	454.1	1.5	20	
Molybdenum	82.9	5.0	62.5	11.31	114	85	125	82.95	0	20	
Thallium	63.7	5.0	62.5	2.775	97.5	85	125	63.38	0.6	20	
Vanadium	99.9	5.0	62.5	40.3	95.3	85	125	99.55	0.3	20	

Sample ID: **C04071192-004APM** SampType: **MSD** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040812A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/12/2004** SeqNo: **809291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.0	2.5	25	0	108	85	125	26.98	0.2	20	
Arsenic	23.8	0.86	25	0	95.1	85	125	24.19	1.7	20	
Barium	28.0	5.0	25	0.465	110	85	125	27.88	0.2	20	
Beryllium	22.1	0.65	25	0	88.3	85	125	22.63	2.5	20	
Cadmium	24.4	0.66	25	0	97.7	85	125	24.44	0	20	

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

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CLIENT: SRK Consulting
Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: 6073

Sample ID: **C04071192-004APM** SampType: **MSD** TestCode: **6010.20-S** Units: **mg/kg-dry** Prep Date: **8/2/2004** Run ID: **ICPMS1-C_040812A**
Client ID: Batch ID: **6073** TestNo: **SW6020** Analysis Date: **8/12/2004** SeqNo: **809291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	24.9	2.5	25	0	99.5	85	125	24.98	0.4	20	
Cobalt	26.4	0.50	25	0	106	85	125	26.24	0.8	20	
Copper	25.1	0.60	25	0	100	85	125	25.38	1.3	20	
Lead	26.8	2.5	25	0.21	106	85	125	26.98	0.8	20	
Manganese	25.4	0.50	25	0.53	99.3	85	125	25.32	0.1	20	
Nickel	25.1	2.5	25	0	100	85	125	25.58	1.8	20	
Selenium	19.1	2.9	25	0	76.6	85	125	19.62	2.5	20	
Thallium	26.4	5.0	25	0	106	85	125	26.76	1.3	20	
Vanadium	25.8	5.0	25	0	103	85	125	25.36	1.5	20	
Zinc	22.4	0.50	25	0.895	86.1	85	125	22.92	2.2	20	

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CLIENT: SRK Consulting
Work Order: C04070700
Project: Yerington Dust Study

ANALYTICAL QC SUMMARY REPORT

Date: *17-Aug-04*

BatchID: **R38125**

Sample ID: **MB-R38125** SampType: **MBLK** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R38125** TestNo: **E901.1** Analysis Date: **7/29/2004** SeqNo: **797049**

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-R38125** SampType: **LCS** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: Batch ID: **R38125** TestNo: **E901.1** Analysis Date: **7/29/2004** SeqNo: **797050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	437000	2.0	424900	0	103	70	130	0	0		

Sample ID: **C04070700-001ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: **EPSA2-A** Batch ID: **R38125** TestNo: **E901.1** Analysis Date: **7/29/2004** SeqNo: **792770**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	23.9	2.0	0	0				18.2	27	30	

Sample ID: **C04070700-010ADU** SampType: **DUP** TestCode: **RAD-G-GAMMA-S** Units: **pCi/g-dry** Prep Date: Run ID: **GAMMA EGG-ORTEC_0**
Client ID: **ESPA2-E-03-01** Batch ID: **R38125** TestNo: **E901.1** Analysis Date: **7/29/2004** SeqNo: **796599**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gross Gamma	33.5	2.0	0	0				40.7	19	30	

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CLIENT: SRK Consulting
Work Order: C04070700
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: 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: 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	

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CLIENT: SRK Consulting
Work Order: C04070700
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: 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: 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	

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Engineers and Scientists

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102 Birch Drive
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89447

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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 5, 2004

SUBJECT: **Evaporation Pond Study Area #2 (EPSA2)**

PROJ/PROP NO. **113922.100**

The following are the laboratory sample preparation and analysis methods for the EPSA2 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
EPSA2-A-04-01	EPSA2-B-43-01	EPSA2-C-81-01	EPSA2-D-57-01	EPSA2-E-03-01
EPSA2-A-06-02	EPSA2-B-39-02	EPSA2-C-82-02	EPSA2-D-59-02	EPSA2-E-02-02
EPSA2-A-07-03	EPSA2-B-37-03	EPSA2-C-80-03	EPSA2-D-55-03	EPSA2-E-04-03
EPSA2-A-10-04	EPSA2-B-33-04	EPSA2-C-73-04	EPSA2-D-49-04	EPSA2-E-05-04
EPSA2-A-01-05	EPSA2-B-01-05	EPSA2-C-67-05	EPSA2-D-01-05	EPSA2-E-33-05
EPSA2-A-03-06	EPSA2-B-23-06	EPSA2-C-66-06	EPSA2-D-15-06	EPSA2-E-16-06
EPSA2-A-08-07	EPSA2-B-10-07	EPSA2-C-01-07	EPSA2-D-35-07	EPSA2-E-24-07
RESULTING SAMPLE ANALYSIS				
EPSA2-A	EPSA2-B	EPSA2-C	EPSA2-D	EPSA2-E

Additionally the following samples will be analyzed individually.

EPSA2-A-04-01	EPSA2-B-43-01	EPSA2-C-81-01	EPSA2-D-57-01	EPSA2-E-03-01

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

Table 1 – Analyte List

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

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Chain of Custody and Analytical Request Record

Page 1 of 1

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

Company Name: SRK Consulting

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

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

Contact Name, Phone, Fax, E-mail: Rod Grebb, 907-407-8302, 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	EPSA2-A-06-02	7/8/04	1013	1-S	X	X		1-Bag	C4070700
2	EPSA2-A-0703	↓	1020	1-S	X	X		↓	
3	EPSA2-A-10-04		1027	1-S	X	X			
4	EPSA2-A-01-05		1005	1-S	X	X			
5	EPSA2-A-03-06		1008	1-S	X	X			
6	EPSA2-A-08-07	↓	1023	1-S	X	X		↓	
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 10:00 — Shipped by: URS — Received by: [signature] Date/Time: 7/15/04 1000

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 _____

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.

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Chain of Custody and Analytical Request Record

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Contact Name, Phone, Fax, E-mail: Rod Grebb, 907-407-8302, rgrebb@SRK.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

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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
1	EPSA2-B-39-02	7/8/04	1112	1-S	X	X		1 Bag	
2	EPSA2-B-37-03		1117	1-S	X	X		1 Bag	
3	EPSA2-B-33-04		1121	1-S	X	X		1 Bag	
4	EPSA2-B-01-05		1140	1-S	X	X		1 Bag	
5	EPSA2-B-23-06		1126	1-S	X	X		1 Bag	
6	EPSA2-B-10-07		1130	1-S	X	X		1 Bag	
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
[signature]	7/9/04 1000	UPS	[signature]	7/15/04 1020

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 907-407-8302 rgrebb@SRK.com

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Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp _____ °C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	EPSAZ-C-82-02	7/8/04	1434	1-S	X	X		1-Bag	
2	EPSAZ-C-80-03	↓	1440	↓	X	X		↓	
3	EPSAZ-C-73-04	↓	1445	↓	X	X		↓	
4	EPSAZ-C-67-05	↓	1449	↓	X	X		↓	
5	EPSAZ-C-66-06	↓	1448	↓	X	X		↓	
6	EPSAZ-C-01-07	↓	1505	↓	X	X		↓	
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 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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Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links.

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

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

Contact Name, Phone, Fax, E-mail: Rod Greeb, 907-407-8302, rgreeb@SRK.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

Purchase Order #: 113922.1000

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp _____ ° C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

	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)	ANALYSIS REQUESTED									SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	EPSA2-D-59-02	7/8/04	1556	1-S										X	X		1 Bag	LABORATORY USE ONLY
2	EPSA2-D-55-03		1604											X	X			
3	EPSA2-D-49-04		1607											X	X			
4	EPSA2-D-01-05		1511											X	X			
5	EPSA2-D-15-06		1517											X	X			
6	EPSA2-D-35-07		1530											X	X			
7																		
8																		
9																		
10																		

Custody Record MUST be Signed

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

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Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

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1	EPSAZ-E-02-02	7/9/04	0825	1-S	X	X		1 Bag	
2	EPSAZ-E-04-03	↓	0833	↓	X	X		↓	
3	EPSAZ-E-05-04	↓	0836	↓	X	X		↓	
4	EPSAZ-E-33-05	↓	0839	↓	X	X		↓	
5	EPSAZ-E-16-06	↓	0839	↓	X	X		↓	
6	EPSAZ-E-24-07	↓	0842	↓	X	X		↓	
7									
8									
9									
10									

LABORATORY USE ONLY

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Intact Y N

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1	EPSAZ-A-04-01	7/8/04	1010	1-S	X	X		1 of 2 Bags	
2	EPSAZ-A-04-01	7/8/04	1010	↓	X	X		2 of 2 Bags	
3	EPSAZ-B-43-01	7/8/04	1033	↓	X	X		1 of 2 Bags	
4	EPSAZ-B-43-01	7/8/04	1033	↓	X	X		2 of 2 Bags	
5	EPSAZ-C-81-01	7/8/04	1437	↓	X	X		1 of 2 Bags	
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Truck # 004070700

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 1000

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

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Invoice Address: Same

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2	EPSAZ-D-57-01	7/8/04	1600	|	X	X		2 of 2 Bags	
3	EPSAZ-E-03-01	7/9/04	830	|	X	X		1 of 2 Bags	
4	EPSAZ-E-03-01	7/9/04	830	|	X	X		2 of 2 Bags	
5	EPSAZ-C-81-01	7/8/04	1437	V	X	X		2 of 2 Bags	
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

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

LABORATORY USE ONLY

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: **SRK Consulting**

Date and Time Received: **7/15/2004 10:00:00**

Work Order Number **C04070700**

Received by: sr

Checklist completed by: Sue Rieker (Signature) 7/21/04 (Date)

Reviewed by _____ Initials _____ Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	NA °C Soil
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

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

Client contacted: _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action

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ANALYTICAL SUMMARY REPORT

August 17, 2004

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

Workorder No.: C04070700

Project Name: Yerington Dust Study

Energy Laboratories Inc. received the following 10 samples from SRK Consulting on 7/15/2004 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C04070700-001	EPSA2-A	07/08/04 0:00	07/19/04	Soil	Metals by ICP/ICPMS, Total Composite of two or more samples Mercury, Total E1109 Density 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
C04070700-002	ESPA2-B	07/08/04 0:00	07/19/04	Soil	Same As Above
C04070700-003	ESPA2-C	07/08/04 0:00	07/19/04	Soil	Same As Above
C04070700-004	ESPA2-D	07/08/04 0:00	07/19/04	Soil	Same As Above
C04070700-005	ESPA2-E	07/09/04 0:00	07/19/04	Soil	Same As Above
C04070700-006	ESPA2-A-04-01	07/08/04 10:10	07/19/04	Soil	Metals by ICP/ICPMS, Total Mercury, Total E1109 Density 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
C04070700-007	ESPA2-B-43-01	07/08/04 10:33	07/19/04	Soil	Same As Above
C04070700-008	ESPA2-C-81-01	07/08/04 14:37	07/19/04	Soil	Same As Above
C04070700-009	ESPA2-D-57-01	07/08/04 16:00	07/19/04	Soil	Same As Above
C04070700-010	ESPA2-E-03-01	07/09/04 8:30	07/19/04	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: C04070700

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.

CLIENT: SRK Consulting
Project: Yerington Dust Study
Sample Delivery Group: C04070700

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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rgreb66@SRK.com

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Other _____

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Cooler ID(s) _____
Custody Seal Y N
Intact Y N
Signature Match Y N

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1	EPSA2-A-06-02	7/8/04	1013	1-S	X	X		1- Bag	C04070700
2	EPSA2-A-0703	↓	1020	1-S	X	X		↓	
3	EPSA2-A-10-04		1027	1-S	X	X			
4	EPSA2-A-01-05		1005	1-S	X	X			
5	EPSA2-A-03-06		1008	1-S	X	X			
6	EPSA2-A-08-07	↓	1023	1-S	X	X		↓	
7									
8									
9									
10									

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Relinquished by: [signature] Date/Time: 7/9/04 10:00 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 1000

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LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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Intact Y N

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Lab ID

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2	EPSA2-B-37-03	↓	1117	1-S	X	X		1 Bag	
3	EPSA2-B-33-04		1121	1-S	X	X		1 Bag	
4	EPSA2-B-01-05		1140	1-S	X	X		1 Bag	
5	EPSA2-B-23-06		1126	1-S	X	X		1 Bag	
6	EPSA2-B-10-07	↓	1130	1-S	X	X		1 Bag	
7									
8									
9									
10									

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ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other; Number of Containers)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	EPSAZ-C-82-02	7/8/04	1434	1-S	X	X		1-Bag	
2	EPSAZ-C-80-03	↓	1440	↓	X	X		↓	
3	EPSAZ-C-73-04	↓	1445	↓	X	X		↓	
4	EPSAZ-C-67-05	↓	1449	↓	X	X		↓	
5	EPSAZ-C-66-06	↓	1448	↓	X	X		↓	
6	EPSAZ-C-01-07	↓	1505	↓	X	X		↓	
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 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

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 Grec66 SRK Consulting, 19 Old Town Square Suite 238, Fort Collins Co. 80524

Contact Name, Phone, Fax, E-mail: Rod Grec66, 907-407-8302, rgrec66@SRK.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

Invoice Contact & Phone #: Same

Purchase Order #: 113922.1000

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp _____ °C

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	EPSA2-D-59-02	7/8/04	1556	1-S	X	X		1 Bag	
2	EPSA2-D-55-03	↓	1604	↓	X	X		↓	
3	EPSA2-D-49-04	↓	1607	↓	X	X		↓	
4	EPSA2-D-01-05	↓	1511	↓	X	X		↓	
5	EPSA2-D-15-06	↓	1517	↓	X	X		↓	
6	EPSA2-D-35-07	↓	1530	↓	X	X		↓	
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 1000

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Contact Name, Phone, Fax, E-mail: Rod Greff 907-407-8302 rgreff@SRK.com

Sampler Name if other than Contact: Joe Squyer

Invoice Address: Same

Invoice Contact & Phone #: Same

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Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

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	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	EPSAZ-E-02-02	7/9/04	0825	1-S	X	X		1 Bag	
2	EPSAZ-E-04-03	↓	0833	↓	X	X		↓	
3	EPSAZ-E-05-04	↓	0836	↓	X	X		↓	
4	EPSAZ-E-33-05	↓	0849	↓	X	X		↓	
5	EPSAZ-E-16-06	↓	0839	↓	X	X		↓	
6	EPSAZ-E-24-07	↓	0842	↓	X	X		↓	
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1800

Relinquished by: Date/Time:

Shipped by: UPS

Shipped by:

Received by: [signature] Date/Time: 7/15/04 1000

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 907-407-8302 rgrebb@SRK.com

Sampler Name if other than Contact: Joe Sawyer

Invoice Address: Same

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Intact Y N

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Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:
1	EPSAZ-A-04-01	7/8/04	1010	1-S	X	X		1 of 2 Bags
2	EPSAZ-A-04-01	7/8/04	1010		X	X		2 of 2 Bags
3	EPSAZ-B-43-01	7/8/04	1033		X	X		1 of 2 Bags
4	EPSAZ-B-43-01	7/8/04	1033		X	X		2 of 2 Bags
5	EPSAZ-C-81-01	7/8/04	1437		X	X		1 of 2 Bags
6								
7								
8								
9								
10								

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 1000

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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Cooler ID(s) _____
Custody Seal Y N
Intact Y N
Signature Match Y N
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1	EPSAZ-D-57-01	7/8/04	1600	1-S	X	X		1 of 2 Bags
2	EPSAZ-D-57-01	7/8/04	1600	|	X	X		2 of 2 Bags
3	EPSAZ-E-03-01	7/9/04	830	|	X	X		1 of 2 Bags
4	EPSAZ-E-03-01	7/9/04	830	|	X	X		2 of 2 Bags
5	EPSAZ-C-81-01	7/8/04	1437	V	X	X		2 of 2 Bags
6								
7								
8								
9								
10								

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 7/9/04 1000 Shipped by: UPS Received by: [signature] Date/Time: 7/15/04 [illegible]

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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