Ref 22

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ESAT Region 8

Perkin Elmer ELAN DRC-II ICP-MS

2010 MDLs and PQLs
Contract: EP-W-06-33

2010	Dissolved MDL u g/L	Tot Rec. MDL u g/L	Practical MDL u g/L	PQL H20 ug/L	PQL Soil ug/Kg
Ag 107	0.01	0.01	0.10	0.5	50.0
Al 27	1.18	0.53	5.00	20.0	2000.0
As 75	0.05	0.17	0.50	2.0	200.0
Ba 135	0.06	0.06	5.00	10.0	1000.0
Be 9	0.03	0.07	0.10	0.2	20.0
Cd 111	0.03	0.01	0.10	0.2	20.0
Co 59	0.01	0.01	0.10	0.2	20.0
Cr 52	0.10	0.50	0.50	1.0	100.0
Cu 65	0.26	0.03	0.50	1.0	100.0
Mn 55	0.05	0.19	0.20	0.5	50.0
Mo 98	0.01	0.01	0.10	0.2	20.0
Ni 60	0.09	0		1.0	100.0
Pb 208	0.01	0		0.2	20.0
Sb 121	0.02	0		1.0	100.0
Se 82	0.38	0		1.0	100.0
Tl 205	0.01	0		1.0	100.0
Th 232	0.06	0.		1.0	100.0
U 238	0.01	0.		0.2	20.0
V 51	0.07	1.		2.0	200.0
Zn 66	0.25	0.1		5.0	500.0

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ICP-MS * MDL determined: February 2010

Last Updated: February 2010

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ESAT Region 8

Perkin Elmer ELAN DRC-II ICP-MS

2010 MDLs and PQLs
Contract: EP-W-06-33

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Al 27	1.18	0.53	5.00	20.0	2000.0
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Ba 135	0.06	0.06	5.00	10.0	1000.0
Be 9	0.03	0.07	0.10	0.2	20.0
Cd 111	0.03	0.01	0.10	0.2	20.0
Co 59	0.01	0.01	0.10	0.2	20.0
Cr 52	0.10	0.50	0.50	1.0	100.0
Cu 65	0.26	0.03	0.50	1.0	100.0
Mn 55	0.05	0.19	0.20	0.5	50.0
Mo 98	0.01	0.01	0.10	0.2	20.0
Ni 60	0.09	0.04	0.50	1.0	100.0
Pb 208	0.01	0.01	0.10	0.2	20.0
Sb 121	0.02	0.02	0.50	1.0	100.0
Se 82	0.38	0.50	0.50	1.0	100.0
Tl 205	0.01	0.01	0.50	1.0	100.0
Th 232	0.06	0.03	0.50	1.0	100.0
U 238	0.01	0.01	0.10	0.2	20.0
V 51	0.07	1.00	1.00	2.0	200.0
Zn 66	0.25	0.13	2.00	5.0	500.0

ICP-MS * MDL determined: February 2010
Last Updated: February 2010