MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2H200306 **Matrix.....:** SOLID
Date Sampled...: 08/20/02 10:30 Date Received..: 08/20/02 12:30

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	0.78	200	186	mg/kg	92		SW846 6010B	08/22-08/23/02	E6WGN1CA
	0.78	200	188	mg/kg	94	1.5	SW846 6010B	08/22-08/23/02	E6WGN1CC
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Silver									
	ND	5.00	4.27	mg/kg	85		SW846 6010B	08/22-08/23/02	E6WGN1CK
	ND	5.00	4.26	mg/kg	85	0.30	SW846 6010B	08/22-08/23/02	E6WGN1CL
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Thallium									
	ND	200	199	mg/kg	100		SW846 6010B	08/22-08/23/02	E6WGN1CD
	ND	200	201	mg/kg	101	0.91	SW846 6010B	08/22-08/23/02	E6WGN1CE
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Vanadium									
	27.3	50.0	78.5	mg/kg	102		SW846 6010B	08/22-08/23/02	E6WGN1CF
	27.3	50.0	78.2	mg/kg	102	0.46	SW846 6010B	08/22-08/23/02	E6WGN1CG
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						
Zinc									
	31.4	50.0	80.3	mg/kg	98		SW846 6010B	08/22-08/23/02	E6WGN1CH
	31.4	50.0	81.1	mg/kg	99	1.0	SW846 6010B	08/22-08/23/02	E6WGN1CJ
			Dilution Factor: 1						
			Analysis Time..: 14:09		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 2235234						

MS Lot-Sample #: E2H200306-001 Prep Batch #...: 2233507

Mercury									
	ND	0.167	0.170	mg/kg	102		SW846 7471A	08/22-08/23/02	E6WGN1A2
	ND	0.167	0.197	mg/kg	118	15	SW846 7471A	08/22-08/23/02	E6WGN1A3
			Dilution Factor: 1						
			Analysis Time..: 09:47		Instrument ID..: M04			Analyst ID.....: 000023	
			MS Run #.....: 2235211						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.