



Report of Analysis

Name: Hart Resource Technologies, Inc.
Po Box 232
Rt 110 West
Creskide, PA 15732
Sample Start Date: 4/19/2011 5:00 AM
Sample End Date: 4/19/2011 1:00 PM
Receipt Date: 4/19/2011 1:56 PM
Report Date: 5/5/2011

Sample ID#: 11 14906
Sample Type: Waste Water
Sample Source: Composite
Sampler: CLIENT (Client)
Client Sample ID: Outfall 501 Composite

Analyte	Analyst	Analysis Date	Analysis Time	Sample Result	Units	Data Qualifier	Method	RPL
Acidity to pH=8.3	CLM	04/25	n/a	ND	mg/l as CaCO ₃	n/a	SM2310B	2
Alkalinity to pH=4.5	CLM	04/28	n/a	258	mg/l as CaCO ₃	n/a	SM2320B	20
Bromide	AJD	04/25	n/a	2040.00	mg/l	D	D1246-99	100.00
Chloride	CLM	04/29	n/a	79770.2	mg/l	n/a	SM4500CIC	5.0
Sulfate ASTM	ZTR	05/02	n/a	1250	mg/l	D	D516-02	250
Barium - ICP	GJT	05/04	n/a	2.116	mg/l	n/a	200.7/6010	0.005
Iron - ICP	GJT	05/03	n/a	0.244	mg/l	n/a	200.7/6010	0.010
Osmotic Pressure	LL	04/26	n/a	3740	mOs/kg	n/a	OSP	1000
Total Dissolved Solids (TDS)	LMB	04/20	n/a	172900	mg/l	n/a	SM2540C	25
Total Suspended Solids	LMB	04/20	n/a	11	mg/l	n/a	SM2540D	5

Comments:

ND=Not Detected

Note: DEP Certification #s 32-00382
D - Indicates an identified compound in an analysis that has been diluted

Approved By:

Laboratory Supervisor

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 19, 2011

Company : Hart Resource Technologies, Inc.
Address : PO Box 232

Contact: Creekside, Pennsylvania 15732
Project: Ms. Becky Snyder
Creekside Facility

Client Sample ID: Outfall 501
Sample ID: 276567002
Matrix: Water
Collect Date: 19-APR-11 13:00
Receive Date: 21-APR-11
Collector: Client

Project: HTRT00110
Client ID: HTRT001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS											
SW846 3005A/6020A Liquid "As Received"											
Uranium	U	ND	0.067	0.200	ug/L	1	RMJ	05/07/11	0128	1095087	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	BXA1	04/25/11	1647	1095086

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020A	

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Report Date: May 19, 2011

Company : Hart Resource Technologies, Inc.
Address : PO Box 232

Creekside, Pennsylvania 15732

Contact: Ms. Becky Snyder
Project: Creekside Facility

Client Sample ID: Outfall 501
Sample ID: 276567002
Matrix: Water
Collect Date: 19-APR-11 13:00
Receive Date: 21-APR-11
Collector: Client

Project: HTRT00110
Client ID: HTRT001

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Liquid (Standard List) "As Received"											
Radium-228	U	6.43	+/-9.09	17.1	pCi/L		KXG3	05/13/11	1322	1099400	1
Rad Gas Flow Proportional Counting											
GFPC, Gross Alpha Liquid "As Received"											
Alpha	U	14.3	+/-150	295	5.00	pCi/L	VXC2	05/15/11	1900	1097902	2
Rad Radium-226											
Lucas Cell, Ra226, liquid "As Received"											
Radium-226		0.815	+/-0.463	0.627	1.00	pCi/L	KSD1	04/28/11	1340	1095601	3

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0/SW846 9310	
3	EPA 903.1 Modified	