



ENVIRONMENTAL
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Tax I.D. 62-0814289

Est. 1970

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.

Stevenson, AL 35772

Report Summary

Monday March 02, 2009

Report Number: L389283

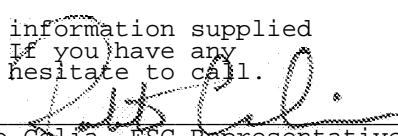
Samples Received: 02/20/09

Client Project: TVAWCF GYPSUM SPILL

Description: TVAWCF GYPSUM POND SPILL

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Roberto Celis, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-294-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 08:40

ESC Sample # : L389283-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.29	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1123	RBS
Sulfate	9.5	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1123	RBS
Alkalinity	98.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1435	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1229	NJM
pH	7.8		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.26	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1054	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0342	78	02/26/09 1127	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/24/09 1555	234	02/26/09 1200	LEM
Kjeldahl Nitrogen, TKN	0.36	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0850	DTH
TOC (Total Organic Carbon)	2.3	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1734	ADH
Dissolved Solids	130	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1413	AMS
Suspended Solids	6.0	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Chromium	0.0013	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Copper	0.0011	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Nickel	0.0018	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Silver	0.00088	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Zinc	BDL	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 0932	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1809	261	02/21/09 2033	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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L389283-01 (PH) - 7.8@19.9c



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Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-294-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 08:40

ESC Sample # : L389283-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.92	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Barium	0.022	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Calcium	34.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Iron	0.72	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Magnesium	4.4	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Manganese	0.032	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Potassium	0.94	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Sodium	1.3	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0512	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-295-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:26

ESC Sample # : L389283-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.26	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1156	RBS
Sulfate	11.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1156	RBS
Alkalinity	90.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1436	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1231	NJM
pH	8.0		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.23	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1055	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0342	78	02/26/09 1125	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/24/09 1555	234	02/26/09 1201	LEM
Kjeldahl Nitrogen, TKN	0.42	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0851	DTH
TOC (Total Organic Carbon)	2.4	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1746	ADH
Dissolved Solids	130	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1414	AMS
Suspended Solids	6.0	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Chromium	0.0014	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Copper	0.0013	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Nickel	0.0018	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Zinc	BDL	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 0936	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1809	261	02/21/09 2036	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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L389283-02 (PH) - 8.0@19.7c



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2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-295-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:26

ESC Sample # : L389283-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	1.0	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Barium	0.023	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Calcium	35.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Iron	0.77	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Magnesium	4.4	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Manganese	0.042	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Potassium	0.96	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Sodium	1.4	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0515	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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L389283-02 (PH) - 8.0@19.7c



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2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-296-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 10:21

ESC Sample # : L389283-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.23	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1245	RBS
Sulfate	19.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1245	RBS
Alkalinity	70.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1436	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1232	NJM
pH	8.2		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.18	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1056	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0342	78	02/26/09 1124	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0121	LEM
Kjeldahl Nitrogen, TKN	0.48	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0852	DTH
TOC (Total Organic Carbon)	2.0	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1757	ADH
Dissolved Solids	110	10.	mg/l	2540C	02/24/09 1658	193	02/26/09 1353	AMS
Suspended Solids	7.8	1.0	mg/l	2540D	02/24/09 1829	193	02/25/09 1031	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Copper	0.0014	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Nickel	0.0012	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Zinc	BDL	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 0951	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1809	261	02/21/09 2039	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-296-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 10:21

ESC Sample # : L389283-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.23	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Barium	0.025	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Calcium	22.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Iron	0.21	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Magnesium	6.2	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Manganese	0.036	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Potassium	1.8	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Sodium	9.2	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0518	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-297-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:50

ESC Sample # : L389283-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.25	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1302	RBS
Sulfate	19.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1302	RBS
Alkalinity	68.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1436	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1233	NJM
pH	8.1		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.20	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1059	LEM
Oil & Grease (Hexane Extr)	BDL	5.9	mg/l	1664A	02/26/09 0342	78	02/26/09 1127	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0122	LEM
Kjeldahl Nitrogen, TKN	0.59	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0853	DTH
TOC (Total Organic Carbon)	2.0	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1808	ADH
Dissolved Solids	120	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1414	AMS
Suspended Solids	7.3	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Copper	0.0014	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Nickel	0.0012	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Zinc	BDL	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 0955	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1809	261	02/21/09 2041	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-297-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:50

ESC Sample # : L389283-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.26	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Barium	0.025	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Calcium	22.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Iron	0.24	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Magnesium	6.0	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Manganese	0.036	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Potassium	1.7	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Sodium	8.4	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0522	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-298-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:27

ESC Sample # : L389283-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.23	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1318	RBS
Sulfate	20.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1318	RBS
Alkalinity	70.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1437	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1234	NJM
pH	8.0		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	BDL	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1102	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0342	78	02/26/09 1128	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0123	LEM
Kjeldahl Nitrogen, TKN	0.34	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0855	DTH
TOC (Total Organic Carbon)	2.5	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1819	ADH
Dissolved Solids	130	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1415	AMS
Suspended Solids	7.4	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Copper	0.0012	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Nickel	0.0012	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Zinc	BDL	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 0958	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1810	261	02/21/09 2320	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-298-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:27

ESC Sample # : L389283-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.21	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Barium	0.025	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Calcium	23.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Iron	0.19	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Magnesium	6.0	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Manganese	0.032	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Potassium	1.7	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Sodium	9.2	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0540	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-299-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 10:07

ESC Sample # : L389283-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.23	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1335	RBS
Sulfate	19.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1335	RBS
Alkalinity	70.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1437	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1235	NJM
pH	8.0		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.21	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1103	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0342	78	02/26/09 1125	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0124	LEM
Kjeldahl Nitrogen, TKN	0.41	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0856	DTH
TOC (Total Organic Carbon)	2.1	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1831	ADH
Dissolved Solids	130	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1416	AMS
Suspended Solids	9.5	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Copper	0.0015	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Nickel	0.0014	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Zinc	0.014	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 1001	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1810	261	02/21/09 2323	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-299-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 10:07

ESC Sample # : L389283-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.34	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Barium	0.026	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Calcium	23.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Iron	0.31	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Magnesium	6.0	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Manganese	0.040	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Potassium	1.6	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Sodium	7.8	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0544	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Notes:

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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-300-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:25

ESC Sample # : L389283-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.23	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1352	RBS
Sulfate	19.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1352	RBS
Alkalinity	70.	20.	mg/l	2320B	02/23/09 1644	234	02/24/09 1215	MCH
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1437	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1236	NJM
pH	8.1		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.24	0.10	mg/l	353.2	02/24/09 1603	165	02/25/09 1104	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0342	78	02/26/09 1145	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0126	LEM
Kjeldahl Nitrogen, TKN	0.44	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0857	DTH
TOC (Total Organic Carbon)	1.9	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1842	ADH
Dissolved Solids	120	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1413	AMS
Suspended Solids	9.9	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Copper	0.0012	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Lead	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Nickel	0.0013	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Zinc	0.014	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 1004	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1810	261	02/21/09 2326	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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L389283-07 (PH) - 8.1@19.5c



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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-300-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:25

ESC Sample # : L389283-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.39	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Barium	0.026	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Calcium	23.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Iron	0.34	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Magnesium	6.0	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Manganese	0.043	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Potassium	1.6	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Sodium	7.9	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 0547	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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Reported: 03/02/09 15:21 Printed: 03/02/09 16:35

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Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-298DUP-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:27

ESC Sample # : L389283-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.24	0.10	mg/l	300.0	02/21/09 0706	245	02/21/09 1458	RBS
Sulfate	20.	5.0	mg/l	300.0	02/21/09 0706	245	02/21/09 1458	RBS
Alkalinity	67.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/23/09 1650	234	02/24/09 1437	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1239	NJM
pH	8.2		su	4500H-B	02/20/09 1733	476	02/25/09 0900	TWF
Nitrate-Nitrite	0.20	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0154	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0342	78	02/26/09 1145	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0127	LEM
Kjeldahl Nitrogen, TKN	0.51	0.10	mg/l	351.2	02/27/09 1031	234	03/02/09 0859	DTH
TOC (Total Organic Carbon)	2.4	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1853	ADH
Dissolved Solids	130	10.	mg/l	2540C	02/24/09 1657	193	02/26/09 1416	AMS
Suspended Solids	6.7	1.0	mg/l	2540D	02/24/09 1702	193	02/25/09 1056	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Copper	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Lead	0.0011	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Nickel	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Silver	BDL	0.00050	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Zinc	BDL	0.010	mg/l	200.8	02/25/09 0651	237	02/26/09 1054	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/20/09 1810	261	02/21/09 2329	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

March 02, 2009

Date Received : 02/20/09 15:35
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-298DUP-20090220
Collected By : R Wells/M Gamble
Collection Date : 02/20/09 09:27

ESC Sample # : L389283-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.26	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Barium	0.026	0.0050	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Calcium	23.	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Iron	0.19	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Magnesium	6.1	0.10	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Manganese	0.034	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Potassium	1.7	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Sodium	9.3	0.50	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL
Vanadium	BDL	0.010	mg/l	200.7	02/25/09 0653	237	02/26/09 1034	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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L389283-08 (PH) - 8.2@19.8c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L389283-01	WG409070	SAMP	Suspended Solids	R654589	T4
	WG408550	SAMP	pH	R649366	T8
L389283-02	WG408550	SAMP	pH	R649366	T8
L389283-03	WG408550	SAMP	pH	R649366	T8
L389283-04	WG408550	SAMP	pH	R649366	T8
L389283-05	WG408550	SAMP	pH	R649366	T8
L389283-06	WG408550	SAMP	pH	R649366	T8
L389283-07	WG408550	SAMP	pH	R649366	T8
L389283-08	WG409129	SAMP	Aluminum	R652885	P1
	WG408550	SAMP	pH	R649366	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T4	(ESC) - Additional method/sample information: QNS - Quantity Not Sufficient
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
03/02/09 at 16:35:41

TSR Signing Reports: 400
RX - Priority Rush

Must have cooler receipt form-LC

Sample: L389283-01 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-02 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-03 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-04 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-05 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-06 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-07 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21
Sample: L389283-08 Account: TVAWCF Received: 02/20/09 15:35 Due Date: 03/02/09 00:00 RPT Date: 03/02/09 15:21