



ENVIRONMENTAL
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Stevenson, AL 35772

Report Summary

Friday January 30, 2009

Report Number: L385298

Samples Received: 01/27/09

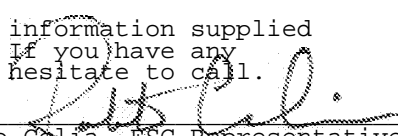
Client Project: TVAWCF GYPSUM SPILL

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:

Laboratory Certification Numbers


Roberto Celis, ESC Representative

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-167-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 08:48

ESC Sample # : L385298-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.56	0.10	mg/l	300.0	01/27/09	1026	245 01/28/09 0319	RBS
Sulfate	9.7	5.0	mg/l	300.0	01/27/09	1026	245 01/28/09 0319	RBS
Alkalinity	90.	20.	mg/l	2320B	01/28/09	0747	234 01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09	1527	234 01/29/09 1322	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09	1101	234 01/29/09 1044	LEM
pH	7.7		su	4500H-B	01/28/09	0927	397 01/28/09 1030	TWF
Nitrate-Nitrite	0.54	0.10	mg/l	353.2	01/28/09	1015	165 01/28/09 1456	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	01/28/09	0334	78 01/28/09 1212	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09	1632	234 01/29/09 1245	LEM
Kjeldahl Nitrogen, TKN	0.23	0.10	mg/l	351.2	01/28/09	1328	236 01/28/09 1515	DTH
TOC (Total Organic Carbon)	1.0	1.0	mg/l	5310B	01/27/09	1846	162 01/28/09 1923	ADH
Dissolved Solids	87.	10.	mg/l	2540C	01/27/09	1635	193 01/29/09 1303	AMS
Suspended Solids	1.9	1.0	mg/l	2540D	01/27/09	1637	193 01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Copper	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Nickel	0.0021	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Zinc	BDL	0.010	mg/l	200.8	01/27/09	1635	117 01/28/09 2031	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09	2338	261 01/28/09 1857	CLF

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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L385298-01 (PH) - 7.7@7.7c



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Mr. Stanley Bramlett
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2800 Steamplant Rd.
Stevenson, AL 35772

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-167-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 08:48

ESC Sample # : L385298-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.14	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Barium	0.021	0.0050	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Calcium	32.	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Iron	0.31	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Magnesium	5.1	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Manganese	0.051	0.010	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Potassium	2.1	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Sodium	3.8	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09 1633	117	01/28/09 2121	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

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January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-168-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:44

ESC Sample # : L385298-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.49	0.10	mg/l	300.0	01/27/09	1026	245 01/28/09 0335	RBS
Sulfate	17.	5.0	mg/l	300.0	01/27/09	1026	245 01/28/09 0335	RBS
Alkalinity	90.	20.	mg/l	2320B	01/28/09	0747	234 01/29/09 1400	NUM
COD	21.	20.	mg/l	410.4	01/27/09	1527	234 01/29/09 1323	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09	1101	234 01/29/09 1045	LEM
pH	7.6		su	4500H-B	01/28/09	0927	397 01/28/09 1030	TWF
Nitrate-Nitrite	0.46	0.10	mg/l	353.2	01/28/09	1015	165 01/28/09 1457	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/28/09	0334	78 01/28/09 1211	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09	1632	234 01/29/09 1246	LEM
Kjeldahl Nitrogen, TKN	0.24	0.10	mg/l	351.2	01/28/09	1328	236 01/28/09 1516	DTH
TOC (Total Organic Carbon)	1.3	1.0	mg/l	5310B	01/27/09	1846	162 01/28/09 1945	ADH
Dissolved Solids	140	10.	mg/l	2540C	01/27/09	1635	193 01/29/09 1254	AMS
Suspended Solids	3.2	1.0	mg/l	2540D	01/27/09	1637	193 01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Copper	0.0026	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Nickel	0.0020	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Zinc	0.013	0.010	mg/l	200.8	01/27/09	1635	117 01/28/09 2034	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09	2338	261 01/28/09 1900	CLF

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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L385298-02 (PH) - 7.6@7.7c



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2800 Steamplant Rd.
Stevenson, AL 35772

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-168-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:44

ESC Sample # : L385298-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.22	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Barium	0.022	0.0050	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Calcium	36.	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Iron	0.35	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Magnesium	5.3	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Manganese	0.064	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Potassium	1.0	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Sodium	1.7	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2124	JBC

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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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

L385298-02 (PH) - 7.6@7.7c



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January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-169-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:56

ESC Sample # : L385298-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.43	0.10	mg/l	300.0	01/27/09	1026	245 01/28/09 0352	RBS
Sulfate	14.	5.0	mg/l	300.0	01/27/09	1026	245 01/28/09 0352	RBS
Alkalinity	56.	20.	mg/l	2320B	01/28/09	0747	234 01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09	1527	234 01/29/09 1324	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09	1101	234 01/29/09 1046	LEM
pH	7.7		su	4500H-B	01/28/09	0927	397 01/28/09 1030	TWF
Nitrate-Nitrite	0.42	0.10	mg/l	353.2	01/28/09	1015	165 01/28/09 1458	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/28/09	0334	78 01/28/09 1210	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09	1632	234 01/29/09 1247	LEM
Kjeldahl Nitrogen, TKN	0.41	0.10	mg/l	351.2	01/28/09	1328	236 01/28/09 1517	DTH
TOC (Total Organic Carbon)	2.2	1.0	mg/l	5310B	01/27/09	1846	162 01/28/09 1957	ADH
Dissolved Solids	100	10.	mg/l	2540C	01/27/09	1635	193 01/29/09 1255	AMS
Suspended Solids	4.2	1.0	mg/l	2540D	01/27/09	1637	193 01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Copper	0.0022	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Nickel	0.0011	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Zinc	BDL	0.010	mg/l	200.8	01/27/09	1635	117 01/28/09 2037	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09	2338	261 01/28/09 1902	CLF

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L385298-03 (PH) - 7.7@9.6c



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January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-169-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:56

ESC Sample # : L385298-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.40	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Barium	0.024	0.0050	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Calcium	19.	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Iron	0.34	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Magnesium	4.8	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Manganese	0.028	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Potassium	2.0	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Sodium	6.9	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2128	JBC

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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L385298-03 (PH) - 7.7@9.6c



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January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-170-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:27

ESC Sample # : L385298-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.42	0.10	mg/l	300.0	01/27/09	1026	245 01/28/09 0408	RBS
Sulfate	14.	5.0	mg/l	300.0	01/27/09	1026	245 01/28/09 0408	RBS
Alkalinity	56.	20.	mg/l	2320B	01/28/09	0747	234 01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09	1527	234 01/29/09 1324	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09	1101	234 01/29/09 1047	LEM
pH	7.7		su	4500H-B	01/28/09	0927	397 01/28/09 1030	TWF
Nitrate-Nitrite	0.40	0.10	mg/l	353.2	01/28/09	1015	165 01/28/09 1459	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/28/09	0334	78 01/28/09 1211	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09	1632	234 01/29/09 1248	LEM
Kjeldahl Nitrogen, TKN	BDL	0.10	mg/l	351.2	01/28/09	1328	236 01/28/09 1518	DTH
TOC (Total Organic Carbon)	2.2	1.0	mg/l	5310B	01/27/09	1846	162 01/28/09 2008	ADH
Dissolved Solids	86.	10.	mg/l	2540C	01/27/09	1635	193 01/29/09 1255	AMS
Suspended Solids	3.9	1.0	mg/l	2540D	01/27/09	1637	193 01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Copper	0.0092	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Nickel	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Zinc	BDL	0.010	mg/l	200.8	01/27/09	1635	117 01/28/09 2142	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09	2338	261 01/28/09 1905	CLF

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-170-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:27

ESC Sample # : L385298-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.42	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Barium	0.024	0.0050	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Calcium	19.	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Iron	0.34	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Magnesium	4.7	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Manganese	0.026	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Potassium	1.9	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Sodium	7.0	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2131	JBC

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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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

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REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-171-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:00

ESC Sample # : L385298-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.43	0.10	mg/l	300.0	01/27/09 0729	159	01/27/09 2012	RBS
Sulfate	15.	5.0	mg/l	300.0	01/27/09 0729	159	01/27/09 2012	RBS
Alkalinity	55.	20.	mg/l	2320B	01/28/09 0747	234	01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09 1527	234	01/29/09 1325	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09 1101	234	01/29/09 1048	LEM
pH	7.6		su	4500H-B	01/28/09 0927	397	01/28/09 1030	TWF
Nitrate-Nitrite	0.41	0.10	mg/l	353.2	01/28/09 1015	165	01/28/09 1500	LEM
Oil & Grease (Hexane Extr)	BDL	5.9	mg/l	1664A	01/28/09 0334	78	01/28/09 1210	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09 1632	234	01/29/09 1249	LEM
Kjeldahl Nitrogen, TKN	0.41	0.10	mg/l	351.2	01/28/09 1328	236	01/28/09 1519	DTH
TOC (Total Organic Carbon)	2.4	1.0	mg/l	5310B	01/27/09 1846	162	01/28/09 2019	ADH
Dissolved Solids	110	10.	mg/l	2540C	01/27/09 1635	193	01/29/09 1255	AMS
Suspended Solids	4.2	1.0	mg/l	2540D	01/27/09 1637	193	01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Copper	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Nickel	0.0012	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Zinc	BDL	0.010	mg/l	200.8	01/27/09 1635	117	01/28/09 2145	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09 2338	261	01/28/09 1912	CLF

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-171-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:00

ESC Sample # : L385298-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.41	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Barium	0.025	0.0050	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Calcium	19.	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Iron	0.35	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Magnesium	4.8	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Manganese	0.029	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Potassium	2.0	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Sodium	7.7	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2135	JBC

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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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

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REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-172-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 10:38

ESC Sample # : L385298-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.44	0.10	mg/l	300.0	01/27/09 0729	159	01/27/09 2031	RBS
Sulfate	19.	5.0	mg/l	300.0	01/27/09 0729	159	01/27/09 2031	RBS
Alkalinity	63.	20.	mg/l	2320B	01/28/09 0747	234	01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09 1527	234	01/29/09 1325	BSD
Ammonia Nitrogen	0.18	0.10	mg/l	350.1	01/28/09 1101	234	01/29/09 1049	LEM
pH	7.6		su	4500H-B	01/28/09 0927	397	01/28/09 1030	TWF
Nitrate-Nitrite	0.42	0.10	mg/l	353.2	01/28/09 1015	165	01/28/09 1501	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/28/09 0334	78	01/28/09 1209	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09 1632	234	01/29/09 1250	LEM
Kjeldahl Nitrogen, TKN	0.40	0.10	mg/l	351.2	01/28/09 1328	236	01/28/09 1521	DTH
TOC (Total Organic Carbon)	1.9	1.0	mg/l	5310B	01/27/09 1846	162	01/28/09 2035	ADH
Dissolved Solids	120	10.	mg/l	2540C	01/27/09 1635	193	01/29/09 1256	AMS
Suspended Solids	7.3	1.0	mg/l	2540D	01/27/09 1637	193	01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Copper	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Nickel	0.0016	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Zinc	0.016	0.010	mg/l	200.8	01/27/09 1635	117	01/28/09 2148	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09 2338	261	01/28/09 1915	CLF

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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Est. 1970

REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-172-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 10:38

ESC Sample # : L385298-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.46	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Barium	0.026	0.0050	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Calcium	24.	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Iron	0.46	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Magnesium	4.9	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Manganese	0.044	0.010	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Potassium	1.9	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Sodium	6.0	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09 1633	117	01/28/09 2153	JBC

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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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

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REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-173-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 10:17

ESC Sample # : L385298-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.44	0.10	mg/l	300.0	01/27/09 0729	159	01/27/09 2050	RBS
Sulfate	23.	5.0	mg/l	300.0	01/27/09 0729	159	01/27/09 2050	RBS
Alkalinity	66.	20.	mg/l	2320B	01/28/09 0747	234	01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09 1527	234	01/29/09 1326	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09 1101	234	01/29/09 1050	LEM
pH	7.6		su	4500H-B	01/28/09 0927	397	01/28/09 1030	TWF
Nitrate-Nitrite	0.42	0.10	mg/l	353.2	01/28/09 1015	165	01/28/09 1502	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/28/09 0334	78	01/28/09 1213	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09 1632	234	01/29/09 1251	LEM
Kjeldahl Nitrogen, TKN	0.42	0.10	mg/l	351.2	01/28/09 1328	236	01/28/09 1522	DTH
TOC (Total Organic Carbon)	1.9	1.0	mg/l	5310B	01/27/09 1846	162	01/28/09 2046	ADH
Dissolved Solids	120	10.	mg/l	2540C	01/27/09 1635	193	01/29/09 1256	AMS
Suspended Solids	8.8	1.0	mg/l	2540D	01/27/09 1637	193	01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Copper	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Nickel	0.0015	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Selenium	0.0018	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Zinc	BDL	0.010	mg/l	200.8	01/27/09 1635	117	01/28/09 2151	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09 2338	261	01/28/09 1917	CLF

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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L385298-07 (PH) - 7.6@9.5c



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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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-173-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 10:17

ESC Sample # : L385298-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.57	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Barium	0.030	0.0050	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Calcium	27.	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Iron	0.53	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Magnesium	5.1	0.10	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Manganese	0.058	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Potassium	1.8	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Sodium	5.9	0.50	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09	1633	117 01/28/09 2156	JBC

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

Notes:

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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

L385298-07 (PH) - 7.6@9.5c



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REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-170DUP-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:27

ESC Sample # : L385298-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.43	0.10	mg/l	300.0	01/27/09 0729	159	01/27/09 2110	RBS
Sulfate	12.	5.0	mg/l	300.0	01/27/09 0729	159	01/27/09 2110	RBS
Alkalinity	56.	20.	mg/l	2320B	01/28/09 0747	234	01/29/09 1400	NJM
COD	BDL	20.	mg/l	410.4	01/27/09 1527	234	01/29/09 1326	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/28/09 1101	234	01/29/09 1051	LEM
pH	7.7		su	4500H-B	01/28/09 0927	397	01/28/09 1030	TWF
Nitrate-Nitrite	0.39	0.10	mg/l	353.2	01/28/09 1015	165	01/28/09 1503	LEM
Oil & Grease (Hexane Extr)	BDL	5.9	mg/l	1664A	01/28/09 0334	78	01/28/09 1213	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/27/09 1632	234	01/29/09 1252	LEM
Kjeldahl Nitrogen, TKN	0.41	0.10	mg/l	351.2	01/28/09 1328	236	01/28/09 1523	DTH
TOC (Total Organic Carbon)	2.3	1.0	mg/l	5310B	01/27/09 1846	162	01/28/09 2057	ADH
Dissolved Solids	110	10.	mg/l	2540C	01/27/09 1635	193	01/29/09 1256	AMS
Suspended Solids	4.2	1.0	mg/l	2540D	01/27/09 1637	193	01/28/09 1115	AMS
Antimony	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Arsenic	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Copper	0.0032	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Lead	BDL	0.0020	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Nickel	0.0011	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Silver	BDL	0.00050	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Zinc	BDL	0.010	mg/l	200.8	01/27/09 1635	117	01/28/09 2154	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/27/09 2338	261	01/28/09 1847	CLF

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

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

January 30, 2009

Date Received : 01/27/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-170DUP-20090127
Collected By : Gamble/Wells
Collection Date : 01/27/09 09:27

ESC Sample # : L385298-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.38	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Barium	0.024	0.0050	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Calcium	19.	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Iron	0.34	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Magnesium	4.8	0.10	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Manganese	0.026	0.010	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Potassium	1.8	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Sodium	7.2	0.50	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC
Vanadium	BDL	0.010	mg/l	200.7	01/27/09 1633	117	01/28/09 2042	JBC

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
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Reported: 01/29/09 17:15 Revised: 01/30/09 09:54

L385298-08 (PH) - 7.7@10.9c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L385298-01	WG404485	SAMP	Dissolved Solids	R609666	J3
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-02	WG404487	SAMP	Lead	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-03	WG404487	SAMP	Nickel	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-04	WG404487	SAMP	Lead	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-05	WG404487	SAMP	Nickel	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-06	WG404487	SAMP	Lead	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-07	WG404487	SAMP	Lead	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
L385298-08	WG404487	SAMP	Lead	R609665	B2
	WG404562	SAMP	pH	R608706	T8
	WG404487	SAMP	Arsenic	R609665	B2
	WG404487	SAMP	Copper	R609665	B2
	WG404487	SAMP	Lead	R609665	B2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B2	(ESC) - The detection limit has been elevated due to blank contamination.
J3	The associated batch QC was outside the established quality control range for precision.
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
01/30/09 at 09:54:33

TSR Signing Reports: 400
RX - Priority Rush

Must have cooler receipt form-LC

Sample: L385298-01 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-02 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-03 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-04 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-05 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-06 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-07 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15
Sample: L385298-08 Account: TVAWCF Received: 01/27/09 15:40 Due Date: 01/29/09 00:00 RPT Date: 01/29/09 17:15