



ENVIRONMENTAL
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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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

Tuesday March 03, 2009

Report Number: L389471

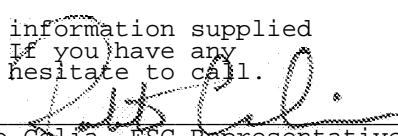
Samples Received: 02/23/09

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.

8 Samples Reported: 03/03/09 09:06 Printed: 03/03/09 12:30

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REPORT OF ANALYSIS

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-301-20090223
Collected By : MG/WP
Collection Date : 02/23/09 08:42

ESC Sample # : L389471-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.31	0.10	mg/l	300.0	02/24/09 0742	245	02/24/09 1440	RBS
Sulfate	8.9	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1440	RBS
Alkalinity	78.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/24/09 1600	234	02/25/09 1540	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1242	NJM
pH	7.5		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.31	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0156	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0616	78	02/27/09 0731	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0128	LEM
Kjeldahl Nitrogen, TKN	0.34	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1129	DTH
TOC (Total Organic Carbon)	1.2	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1934	ADH
Dissolved Solids	100	10.	mg/l	2540C	02/24/09 1658	193	02/26/09 1354	AMS
Suspended Solids	1.9	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Chromium	0.0013	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Copper	0.0028	0.0010	mg/l	200.8	02/27/09 2102	388	03/01/09 2132	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Nickel	0.0022	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Silver	0.0053	0.00050	mg/l	200.8	02/27/09 2102	388	03/01/09 2132	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0038	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2056	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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L389471-01 (PH) - 7.5@21.2c



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REPORT OF ANALYSIS

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-301-20090223
Collected By : MG/WP
Collection Date : 02/23/09 08:42

ESC Sample # : L389471-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.20	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Barium	0.019	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Calcium	32.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Iron	0.26	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Magnesium	4.3	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Manganese	0.029	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Potassium	0.71	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Sodium	1.2	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1150	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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2800 Steamplant Rd.
Stevenson, AL 35772

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-302-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:42

ESC Sample # : L389471-02

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	02/24/09 0742	245	02/24/09 1513	RBS
Sulfate	11.	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1513	RBS
Alkalinity	80.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/24/09 1600	234	02/25/09 1541	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1243	NJM
pH	7.6		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.24	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0159	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0616	78	02/27/09 0733	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0129	LEM
Kjeldahl Nitrogen, TKN	0.22	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1130	DTH
TOC (Total Organic Carbon)	1.2	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 1957	ADH
Dissolved Solids	110	10.	mg/l	2540C	02/25/09 1535	193	02/27/09 1635	AMS
Suspended Solids	1.8	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Chromium	0.0012	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Copper	BDL	0.0010	mg/l	200.8	02/27/09 2102	388	03/01/09 2135	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Nickel	0.0016	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Silver	BDL	0.00050	mg/l	200.8	02/27/09 2102	388	03/01/09 2135	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0035	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2059	CLF

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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2800 Steamplant Rd.
Stevenson, AL 35772

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-302-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:42

ESC Sample # : L389471-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.18	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Barium	0.019	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Calcium	33.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Iron	0.27	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Magnesium	4.5	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Manganese	0.039	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Potassium	0.64	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Sodium	1.2	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1153	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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2800 Steamplant Rd.
Stevenson, AL 35772

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN117-SW-303-20090223
Collected By : MG/WP
Collection Date : 02/23/09 08:54

ESC Sample # : L389471-03

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	02/24/09 0742	245	02/24/09 1602	RBS
Sulfate	20.	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1602	RBS
Alkalinity	66.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	22.	20.	mg/l	410.4	02/24/09 1600	234	02/25/09 1541	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/25/09 1306	234	02/26/09 1244	NJM
pH	8.1		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.22	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0201	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0616	78	02/27/09 0733	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0130	LEM
Kjeldahl Nitrogen, TKN	0.52	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1132	DTH
TOC (Total Organic Carbon)	2.1	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 2008	ADH
Dissolved Solids	110	10.	mg/l	2540C	02/24/09 1658	193	02/26/09 1354	AMS
Suspended Solids	9.0	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Copper	0.0035	0.0010	mg/l	200.8	02/27/09 2102	388	03/01/09 2138	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Nickel	0.0013	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Silver	0.00094	0.00050	mg/l	200.8	02/27/09 2102	388	03/01/09 2138	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0032	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2101	CLF

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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L389471-03 (PH) - 8.1@20.2c



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Stevenson, AL 35772

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN117-SW-303-20090223
Collected By : MG/WP
Collection Date : 02/23/09 08:54

ESC Sample # : L389471-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.27	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Barium	0.026	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Calcium	24.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Iron	0.26	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Magnesium	6.3	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Manganese	0.039	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Potassium	1.6	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Sodium	8.6	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1157	JBC

BDL - Below Detection Limit

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-304-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:18

ESC Sample # : L389471-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.22	0.10	mg/l	300.0	02/24/09 0742	245	02/24/09 1618	RBS
Sulfate	19.	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1618	RBS
Alkalinity	67.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/24/09 1600	234	02/25/09 1541	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/26/09 1000	234	02/26/09 1428	LEM
pH	8.1		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.19	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0202	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0616	78	02/27/09 0726	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0134	LEM
Kjeldahl Nitrogen, TKN	0.52	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1133	DTH
TOC (Total Organic Carbon)	2.0	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 2020	ADH
Dissolved Solids	120	10.	mg/l	2540C	02/24/09 1658	193	02/26/09 1355	AMS
Suspended Solids	7.0	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Copper	0.0024	0.0010	mg/l	200.8	02/27/09 2102	388	03/01/09 2142	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Nickel	0.0014	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Silver	0.00098	0.00050	mg/l	200.8	02/27/09 2102	388	03/01/09 2142	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0111	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2104	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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-304-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:18

ESC Sample # : L389471-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.27	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Barium	0.026	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Calcium	23.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Iron	0.23	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Magnesium	6.5	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Manganese	0.039	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Potassium	1.6	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Sodium	8.8	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1200	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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REPORT OF ANALYSIS

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-305-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:28

ESC Sample # : L389471-05

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	02/24/09 0742	245	02/24/09 1635	RBS
Sulfate	19.	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1635	RBS
Alkalinity	66.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/24/09 1600	234	02/25/09 1541	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/26/09 1000	234	02/26/09 1429	LEM
pH	8.1		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.25	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0203	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0616	78	02/27/09 0724	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0137	LEM
Kjeldahl Nitrogen, TKN	0.48	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1136	DTH
TOC (Total Organic Carbon)	2.2	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 2031	ADH
Dissolved Solids	110	10.	mg/l	2540C	02/25/09 1535	193	02/27/09 1627	AMS
Suspended Solids	14.	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Chromium	0.0012	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Copper	BDL	0.0010	mg/l	200.8	02/27/09 2102	388	03/01/09 2145	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Nickel	0.0023	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Silver	BDL	0.00050	mg/l	200.8	02/27/09 2102	388	03/01/09 2145	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Zinc	0.011	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0108	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2106	CLF

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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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 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-305-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:28

ESC Sample # : L389471-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.59	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Barium	0.028	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Calcium	24.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Iron	0.50	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Magnesium	6.2	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Manganese	0.050	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Potassium	1.7	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Sodium	8.1	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1203	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
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REPORT OF ANALYSIS

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-306-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:34

ESC Sample # : L389471-06

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	02/24/09 0742	245	02/24/09 1651	RBS
Sulfate	19.	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1651	RBS
Alkalinity	65.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/25/09 1659	234	02/26/09 1354	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/26/09 1000	234	02/26/09 1430	LEM
pH	8.1		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.21	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0204	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0616	78	02/27/09 0725	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0138	LEM
Kjeldahl Nitrogen, TKN	0.46	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1137	DTH
TOC (Total Organic Carbon)	2.0	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 2043	ADH
Dissolved Solids	120	10.	mg/l	2540C	02/25/09 1535	193	02/27/09 1632	AMS
Suspended Solids	15.	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Chromium	0.0013	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Copper	0.0013	0.0010	mg/l	200.8	02/27/09 2102	388	03/02/09 0006	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Nickel	0.0022	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Silver	BDL	0.00050	mg/l	200.8	02/27/09 2102	388	03/02/09 0006	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0045	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2109	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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-306-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:34

ESC Sample # : L389471-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.85	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Barium	0.030	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Calcium	24.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Iron	0.69	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Magnesium	6.3	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Manganese	0.058	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Potassium	1.6	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Sodium	8.1	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1220	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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REPORT OF ANALYSIS

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-307-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:54

ESC Sample # : L389471-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.22	0.10	mg/l	300.0	02/24/09 0742	245	02/24/09 1707	RBS
Sulfate	19.	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1707	RBS
Alkalinity	67.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/25/09 1659	234	02/26/09 1355	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/26/09 1000	234	02/26/09 1431	LEM
pH	8.2		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.21	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0205	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/26/09 0616	78	02/27/09 0735	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0139	LEM
Kjeldahl Nitrogen, TKN	0.47	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1138	DTH
TOC (Total Organic Carbon)	2.1	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 2054	ADH
Dissolved Solids	100	10.	mg/l	2540C	02/25/09 1536	193	03/02/09 1347	AMS
Suspended Solids	8.4	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Copper	0.0017	0.0010	mg/l	200.8	02/27/09 2102	388	03/02/09 0009	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Nickel	0.0016	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Silver	BDL	0.00050	mg/l	200.8	02/27/09 2102	388	03/02/09 0009	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0042	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2111	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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L389471-07 (PH) - 8.2@19.8c



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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
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 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-307-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:54

ESC Sample # : L389471-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.25	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Barium	0.027	0.0050	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Calcium	23.	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Iron	0.24	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Magnesium	6.6	0.10	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Manganese	0.042	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Potassium	1.7	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Sodium	9.2	0.50	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0708	388	02/26/09 1223	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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Reported: 03/03/09 09:06 Printed: 03/03/09 12:31

L389471-07 (PH) - 8.2@19.8c



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Est. 1970

REPORT OF ANALYSIS

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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-301DUP-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:01

ESC Sample # : L389471-08

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	02/24/09 0742	245	02/24/09 1724	RBS
Sulfate	8.8	5.0	mg/l	300.0	02/24/09 0742	245	02/24/09 1724	RBS
Alkalinity	80.	20.	mg/l	2320B	02/25/09 1656	234	02/26/09 1350	MCG
COD	BDL	20.	mg/l	410.4	02/25/09 1659	234	02/26/09 1355	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/26/09 1000	234	02/26/09 1433	LEM
pH	7.9		su	4500H-B	02/24/09 0900	397	02/24/09 1615	TWF
Nitrate-Nitrite	0.30	0.10	mg/l	353.2	03/01/09 1721	236	03/02/09 0206	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/26/09 0616	78	02/27/09 0734	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/25/09 1654	234	02/26/09 0140	LEM
Kjeldahl Nitrogen, TKN	0.21	0.10	mg/l	351.2	02/27/09 0820	234	02/27/09 1139	DTH
TOC (Total Organic Carbon)	BDL	1.0	mg/l	5310B	02/26/09 1727	162	02/27/09 2110	ADH
Dissolved Solids	110	10.	mg/l	2540C	02/24/09 1658	193	02/26/09 1352	AMS
Suspended Solids	1.5	1.0	mg/l	2540D	02/25/09 1536	193	02/26/09 1151	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Copper	BDL	0.0010	mg/l	200.8	02/27/09 2102	388	03/02/09 0012	LAT
Lead	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Nickel	0.0013	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Silver	0.0010	0.00050	mg/l	200.8	02/27/09 2102	388	03/02/09 0012	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Zinc	BDL	0.010	mg/l	200.8	02/26/09 0710	388	02/27/09 0114	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/23/09 2116	261	02/24/09 2036	CLF

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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

March 03, 2009

Date Received : 02/23/09 14:50
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-301DUP-20090223
Collected By : MG/WP
Collection Date : 02/23/09 09:01

ESC Sample # : L389471-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.27	0.10	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Barium	0.016	0.0050	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Calcium	32.	0.50	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Iron	0.24	0.10	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Magnesium	4.2	0.10	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Manganese	0.025	0.010	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Potassium	1.2	0.50	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Sodium	1.6	0.50	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	JBC
Vanadium	BDL	0.010	mg/l	200.7	02/26/09 0709	237	02/27/09 1534	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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L389471-08 (PH) - 7.9@19.6c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L389471-01	WG408888	SAMP	pH	R648385	T8
L389471-02	WG408888	SAMP	pH	R648385	T8
L389471-03	WG408888	SAMP	pH	R648385	T8
L389471-04	WG409249	SAMP	Suspended Solids	R655906	T4 J3
	WG408888	SAMP	pH	R648385	T8
L389471-05	WG408888	SAMP	pH	R648385	T8
L389471-06	WG408888	SAMP	pH	R648385	T8
L389471-07	WG408888	SAMP	pH	R648385	T8
L389471-08	WG409065	SAMP	Dissolved Solids	R652905	J3
	WG408888	SAMP	pH	R648385	T8

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
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
03/03/09 at 12:31:48

TSR Signing Reports: 400
RX - Priority Rush

Must have cooler receipt form-LC

Sample: L389471-01 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-02 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-03 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-04 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-05 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-06 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-07 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06
Sample: L389471-08 Account: TVAWCF Received: 02/23/09 14:50 Due Date: 03/03/09 00:00 RPT Date: 03/03/09 09:06