



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

Wednesday January 28, 2009

Report Number: L385074

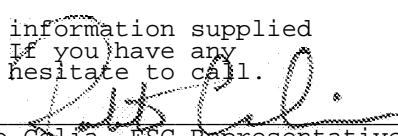
Samples Received: 01/25/09

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-153-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 08:38

ESC Sample # : L385074-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.57	0.10	mg/l	300.0	01/26/09 0959	159	01/26/09 1853	RBS
Sulfate	8.9	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 1853	RBS
Alkalinity	86.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NUM
COD	BDL	20.	mg/l	410.4	01/26/09 0717	234	01/26/09 1717	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1615	LEM
pH	7.8		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.53	0.10	mg/l	353.2	01/26/09 0855	165	01/26/09 1311	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	01/26/09 0428	78	01/26/09 0911	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0146	LEM
Kjeldahl Nitrogen, TKN	0.28	0.10	mg/l	351.2	01/26/09 1423	245	01/27/09 0905	DTH
TOC (Total Organic Carbon)	BDL	1.0	mg/l	5310B	01/26/09 1319	162	01/26/09 2245	ADH
Dissolved Solids	110	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1700	MF
Suspended Solids	1.5	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Copper	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Nickel	0.0021	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0321	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1637	KBW

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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L385074-01 (PH) - 7.8@14.8C



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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-153-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 08:38

ESC Sample # : L385074-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.15	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Barium	0.020	0.0050	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Calcium	32.	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Iron	0.28	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Magnesium	4.7	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Manganese	0.045	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Potassium	0.66	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Sodium	1.3	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1943	LAT

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-154-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:28

ESC Sample # : L385074-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.53	0.10	mg/l	300.0	01/26/09 0959	159	01/26/09 1909	RBS
Sulfate	20.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 1909	RBS
Alkalinity	86.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NUM
COD	BDL	20.	mg/l	410.4	01/26/09 0717	234	01/26/09 1717	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1618	LEM
pH	7.8		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.47	0.10	mg/l	353.2	01/26/09 0855	165	01/26/09 1312	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	01/26/09 0428	78	01/26/09 0911	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0148	LEM
Kjeldahl Nitrogen, TKN	0.47	0.10	mg/l	351.2	01/26/09 1423	245	01/27/09 0906	DTH
TOC (Total Organic Carbon)	1.4	1.0	mg/l	5310B	01/26/09 1319	162	01/26/09 2301	ADH
Dissolved Solids	64.	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1701	MF
Suspended Solids	4.5	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Copper	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Nickel	0.0024	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0327	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1639	KBW

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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L385074-02 (PH) - 7.8@14.1C



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January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-154-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:28

ESC Sample # : L385074-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.16	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Barium	0.021	0.0050	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Calcium	37.	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Iron	0.30	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Magnesium	4.9	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Manganese	0.063	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Potassium	0.69	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Sodium	1.3	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1946	LAT

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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Stevenson, AL 35772

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-155-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:48

ESC Sample # : L385074-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.41	0.10	mg/l	300.0	01/26/09 0959	159	01/26/09 1942	RBS
Sulfate	13.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 1942	RBS
Alkalinity	56.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NUM
COD	BDL	20.	mg/l	410.4	01/26/09 0717	234	01/26/09 1717	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1620	LEM
pH	7.8		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.36	0.10	mg/l	353.2	01/26/09 0855	165	01/26/09 1313	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/26/09 0428	78	01/26/09 0910	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0149	LEM
Kjeldahl Nitrogen, TKN	0.53	0.10	mg/l	351.2	01/26/09 1423	245	01/27/09 0907	DTH
TOC (Total Organic Carbon)	1.8	1.0	mg/l	5310B	01/26/09 1319	162	01/26/09 2312	ADH
Dissolved Solids	66.	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1701	MF
Suspended Solids	4.1	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Copper	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Nickel	0.0015	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0331	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1642	KBW

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Date Received : 01/25/09 15:25
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Sample ID : TNUP-SW-155-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:48

ESC Sample # : L385074-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.28	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Barium	0.022	0.0050	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Calcium	18.	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Iron	0.28	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Magnesium	4.6	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Manganese	0.027	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Potassium	1.5	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Sodium	6.5	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1950	LAT

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-156-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:14

ESC Sample # : L385074-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.41	0.10	mg/l	300.0	01/26/09 0959	159	01/26/09 1958	RBS
Sulfate	13.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 1958	RBS
Alkalinity	54.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NUM
COD	BDL	20.	mg/l	410.4	01/26/09 0717	234	01/26/09 1718	LLJ
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1621	LEM
pH	7.6		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.37	0.10	mg/l	353.2	01/26/09 0857	165	01/26/09 1351	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/26/09 0428	78	01/26/09 0910	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0150	LEM
Kjeldahl Nitrogen, TKN	0.46	0.10	mg/l	351.2	01/26/09 1423	245	01/27/09 0908	DTH
TOC (Total Organic Carbon)	1.8	1.0	mg/l	5310B	01/26/09 1319	162	01/26/09 2326	ADH
Dissolved Solids	80.	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1702	MF
Suspended Solids	4.6	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Copper	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Nickel	0.0016	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0334	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1644	KBW

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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L385074-04 (PH) - 7.6@14.2c



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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 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-156-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:14

ESC Sample # : L385074-04

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	01/25/09 1651	428	01/26/09 1953	LAT
Barium	0.023	0.0050	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Calcium	18.	0.50	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Iron	0.30	0.10	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Magnesium	4.6	0.10	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Manganese	0.032	0.010	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Potassium	1.5	0.50	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Sodium	6.5	0.50	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09 1651	428	01/26/09 1953	LAT

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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REPORT OF ANALYSIS

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-157-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 08:46

ESC Sample # : L385074-05

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	01/26/09 0959	159	01/26/09 2015	RBS
Sulfate	14.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 2015	RBS
Alkalinity	55.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NJM
COD	BDL	20.	mg/l	410.4	01/25/09 1525	234	01/26/09 1833	KPB
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1622	LEM
pH	7.6		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.39	0.10	mg/l	353.2	01/26/09 0857	165	01/26/09 1352	LEM
Oil & Grease (Hexane Extr)	BDL	5.9	mg/l	1664A	01/26/09 0428	78	01/26/09 0910	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0151	LEM
Kjeldahl Nitrogen, TKN	0.53	0.10	mg/l	351.2	01/26/09 1423	245	01/27/09 0909	DTH
TOC (Total Organic Carbon)	1.7	1.0	mg/l	5310B	01/25/09 1525	162	01/27/09 0647	ADH
Dissolved Solids	BDL	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1703	MF
Suspended Solids	5.1	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Arsenic	0.0011	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Copper	0.0011	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Nickel	0.0016	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0324	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1647	KBW

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-157-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 08:46

ESC Sample # : L385074-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.28	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Barium	0.024	0.0050	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Calcium	19.	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Iron	0.30	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Magnesium	4.7	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Manganese	0.033	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Potassium	1.5	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Sodium	6.6	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 1956	LAT

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-158-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:32

ESC Sample # : L385074-06

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	01/26/09 0959	159	01/26/09 2031	RBS
Sulfate	25.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 2031	RBS
Alkalinity	60.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NJM
COD	BDL	20.	mg/l	410.4	01/25/09 1525	234	01/26/09 1833	KPB
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1623	LEM
pH	7.7		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.41	0.10	mg/l	353.2	01/26/09 0857	165	01/26/09 1353	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/26/09 0428	78	01/26/09 0911	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0152	LEM
Kjeldahl Nitrogen, TKN	0.50	0.10	mg/l	351.2	01/27/09 1423	236	01/27/09 1234	DTH
TOC (Total Organic Carbon)	1.7	1.0	mg/l	5310B	01/25/09 1525	162	01/27/09 0659	ADH
Dissolved Solids	120	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1701	MF
Suspended Solids	7.2	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Arsenic	0.0021	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Copper	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Nickel	0.0020	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Selenium	0.0019	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0236	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1649	KBW

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 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-158-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:32

ESC Sample # : L385074-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.32	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Barium	0.029	0.0050	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Calcium	25.	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Iron	0.40	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Magnesium	4.8	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Manganese	0.041	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Potassium	1.5	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Sodium	5.9	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09 2013	LAT

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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REPORT OF ANALYSIS

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-159-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:26

ESC Sample # : L385074-07

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	01/26/09 0959	159	01/26/09 2048	RBS
Sulfate	20.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 2048	RBS
Alkalinity	56.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NJM
COD	BDL	20.	mg/l	410.4	01/25/09 1525	234	01/26/09 1833	KPB
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1624	LEM
pH	7.7		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.39	0.10	mg/l	353.2	01/26/09 0857	165	01/26/09 1354	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/26/09 0428	78	01/26/09 0912	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0153	LEM
Kjeldahl Nitrogen, TKN	0.37	0.10	mg/l	351.2	01/27/09 1423	236	01/27/09 1237	DTH
TOC (Total Organic Carbon)	1.5	1.0	mg/l	5310B	01/25/09 1525	162	01/27/09 0713	ADH
Dissolved Solids	BDL	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1703	MF
Suspended Solids	6.0	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Arsenic	0.0017	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Chromium	0.0012	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Copper	0.0013	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Nickel	0.0014	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Selenium	0.0015	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Silver	0.00075	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0037	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1652	KBW

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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L385074-07 (PH) - 7.7@14.2c



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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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-159-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 09:26

ESC Sample # : L385074-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.35	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Barium	0.036	0.0050	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Calcium	24.	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Iron	0.38	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Magnesium	4.8	0.10	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Manganese	0.048	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Potassium	1.6	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Sodium	5.8	0.50	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT
Vanadium	0.011	0.010	mg/l	200.7	01/25/09	1651	428 01/26/09	1903 LAT

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-157 DUP-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 08:46

ESC Sample # : L385074-08

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	01/26/09 0959	159	01/26/09 2104	RBS
Sulfate	14.	5.0	mg/l	300.0	01/26/09 0959	159	01/26/09 2104	RBS
Alkalinity	56.	20.	mg/l	2320B	01/26/09 0748	236	01/26/09 2100	NJM
COD	BDL	20.	mg/l	410.4	01/25/09 1525	234	01/26/09 1834	KPB
Ammonia Nitrogen	0.12	0.10	mg/l	350.1	01/26/09 1209	245	01/26/09 1626	LEM
pH	7.7		su	4500H-B	01/27/09 0749	183	01/27/09 1015	TWF
Nitrate-Nitrite	0.38	0.10	mg/l	353.2	01/26/09 0857	165	01/26/09 1355	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/26/09 0428	78	01/26/09 0912	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	01/26/09 1040	245	01/27/09 0154	LEM
Kjeldahl Nitrogen, TKN	0.38	0.10	mg/l	351.2	01/27/09 1423	236	01/27/09 1239	DTH
TOC (Total Organic Carbon)	1.7	1.0	mg/l	5310B	01/25/09 1525	162	01/27/09 0724	ADH
Dissolved Solids	21.	10.	mg/l	2540C	01/26/09 0723	36	01/27/09 1701	MF
Suspended Solids	4.6	1.0	mg/l	2540D	01/26/09 0719	36	01/26/09 1308	MF
Antimony	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Chromium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Copper	0.0026	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Lead	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Nickel	0.0012	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Selenium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Silver	BDL	0.00050	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Thallium	BDL	0.0010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Zinc	BDL	0.010	mg/l	200.8	01/25/09 1852	428	01/27/09 0056	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/26/09 1125	253	01/27/09 1654	KBW

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

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

January 28, 2009

Date Received : 01/25/09 15:25
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-157 DUP-20090125
Collected By : RW/MG/TL
Collection Date : 01/25/09 08:46

ESC Sample # : L385074-08

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	01/25/09 1657	428	01/26/09 1656	LAT
Barium	0.032	0.0050	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Calcium	19.	0.50	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Iron	0.31	0.10	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Magnesium	4.6	0.10	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Manganese	0.041	0.010	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Potassium	1.5	0.50	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Sodium	6.6	0.50	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT
Vanadium	BDL	0.010	mg/l	200.7	01/25/09 1657	428	01/26/09 1656	LAT

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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L385074-08 (PH) - 7.7@14.7c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L385074-01	WG404191	SAMP	Dissolved Solids	R607506	J3
	WG404335	SAMP	pH	R606965	T8
L385074-02	WG404335	SAMP	pH	R606965	T8
L385074-03	WG404335	SAMP	pH	R606965	T8
L385074-04	WG404335	SAMP	pH	R606965	T8
L385074-05	WG404335	SAMP	pH	R606965	T8
L385074-06	WG404335	SAMP	pH	R606965	T8
	WG404173	SAMP	Selenium	R606125	P1
L385074-07	WG404189	SAMP	Suspended Solids	R606825	T4
	WG404335	SAMP	pH	R606965	T8
	WG404174	SAMP	Antimony	R606612	B3
L385074-08	WG404167	SAMP	Barium	R606765	J3
	WG404335	SAMP	pH	R606965	T8
	WG404174	SAMP	Antimony	R606612	B3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B3	(ESC) - The indicated compound was found in the associated method blank, but all reported samples were non-detect.
J3	The associated batch QC was outside the established quality control range for precision.
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
01/28/09 at 10:39:34

TSR Signing Reports: 400
RX - Priority Rush

Must have cooler receipt form-LC

Sample: L385074-01 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-02 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-03 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-04 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-05 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-06 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-07 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54
Sample: L385074-08 Account: TVAWCF Received: 01/25/09 15:25 Due Date: 01/27/09 00:00 RPT Date: 01/28/09 08:54