



ENVIRONMENTAL SCIENCE CORP.

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Lab. I.D. 02-0811289

Est. 1979

REPORT OF ANALYSIS

Mr. Tim Dobransky
Cordilleran Compliance Services, Inc.
826 21 1/2 Road
Grand Junction, CO 81503

May 07, 2004

Date Received : May 05, 2004
Description : Evaporation Pit
Sample ID : CBM-HKWT
Collected By : Tim Dobransky
Collection Date : 05/04/04 09:50

ESC Sample # : L153554-01

Site ID :

Project # : E04020

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	290	10.	mg/l	9056	05/06/04	10
Fluoride	1.4	0.10	mg/l	9056	05/06/04	1
Nitrate	BDL	0.10	mg/l	9056	05/06/04	1
Sulfate	BDL	5.0	mg/l	9056	05/06/04	1
Alkalinity, Bicarbonate	6000	500	mg/l	310.2	05/05/04	50
Alkalinity, Carbonate	BDL	0.0	mg/l	310.2	05/05/04	1
COD	50.	20.	mg/l	410.4	05/05/04	1
Ferric Iron	1.9	0.050	mg/l	Calc.	05/06/04	1
Ferrous Iron	0.18	0.050	mg/l	3500Fe-3	05/05/04	1
Ammonia Nitrogen	3.4	0.10	mg/l	350.1	05/06/04	1
pH	7.8		su	9040A	05/05/04	1
TOC (Total Organic Carbon)	10.	10.	mg/l	9060	05/05/04	10
Turbidity	9.9	0.10	NTU	180.1	05/05/04	1
Dissolved Solids	6200	1.0	mg/l	160.1	05/06/04	1
Suspended Solids	12.	1.0	mg/l	160.2	05/07/04	1
Mercury	BDL	0.00020	mg/l	7470A	05/05/04	1
Aluminum	0.21	0.10	mg/l	6010B	05/06/04	1
Arsenic	BDL	0.010	mg/l	6010B	05/06/04	1
Barium	16.	0.0050	mg/l	6010B	05/06/04	1
Boron	2.6	0.10	mg/l	6010B	05/06/04	1
Cadmium	BDL	0.0050	mg/l	6010B	05/06/04	1
Calcium	14.	0.50	mg/l	6010B	05/06/04	1
Chromium	BDL	0.010	mg/l	6010B	05/06/04	1
Iron	2.1	0.050	mg/l	6010B	05/06/04	1
Iron, Dissolved	0.76	0.050	mg/l	6010B	05/06/04	1
Lead	BDL	0.0050	mg/l	6010B	05/06/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

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, SC - 84004, TN - 2006, VA - 00102, WV - 233
MN - 047-999-395
L153554-01 (ICP METALS) - Silica is 36 when converted from Silicon.



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Lab L.D. 62-0614289

Est. 1970

REPORT OF ANALYSIS

May 07, 2004

Mr. Tim Dobransky
Cordilleran Compliance Services, Inc
926 21 1/2 Road
Grand Junction, CO 81505

Date Received : May 05, 2004
Description : Evaporation Pit
Sample ID : CBN-HMMT
Collected By : Tim Dobransky
Collection Date : 05/04/04 09:50

ESC Sample # : L153554-01

Site ID :

Project # : E04020

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Magnesium	2.2	0.10	mg/l	6010B	05/06/04	1
Manganese	0.050	0.010	mg/l	6010B	05/06/04	1
Selenium	BDL	0.010	mg/l	6010B	05/06/04	1
Silicon, Dissolved	17.	0.10	mg/l	6010B	05/06/04	1
Silver	0.0050	0.0050	mg/l	6010B	05/06/04	1
Sodium	2800	50.	mg/l	6010B	05/06/04	100
Strontium	2.3	0.010	mg/l	6010B	05/06/04	1
Benzene	0.11	0.00050	mg/l	8021/8015	05/05/04	1
Toluene	0.16	0.0050	mg/l	8021/8015	05/05/04	1
Ethylbenzene	0.00077	0.00050	mg/l	8021/8015	05/05/04	1
Total Xylene	0.16	0.0015	mg/l	8021/8015	05/05/04	1
TPH (GC/FID) Low Fraction	1.3	0.10	mg/l	TNGRO	05/05/04	1
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	97.		% Rec.	8021/8015	05/05/04	1
TPH (GC/FID) High Fraction	1.2	0.10	mg/l	3510/DRO	05/05/04	1
Surrogate Recovery (50-150) o-Terphenyl	52.		% Rec.	3510/DRO	05/05/04	1

Cheli Boucher

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - 1-2327, CT - PH-0137, FL - E87427, GA - 223, IL - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, OH-21704, MD - R-140, SC - 84004, TN - 2008, VA - 60109, WY - 233
MI - 047-999-295

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/07/04 09:33 Printed: 05/07/04 09:33

L153554-01 (ICP METALS) - Silica is 3% when converted from Silicon.

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
1153554-01	pH	T8
	Boron	J4
	Silicon, Dissolved	J4B

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.
B	{EPA} - The indicated compound was found in the associated method blank as well as the laboratory sample.
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 NELAP. 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 or analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

Control Limits

2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromofluoromethane	79-126	82-119
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	81-114	82-116
2,4,6-Tribromophenol	51-141	Terphenyl-di4	43-137	4-Bromofluorobenzene	65-129	72-126

YIC - 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
05/07/04 at 09:33:27

TSR Signing Reports: 070
R2 - Rush: Next Day

Sample: L153554-G1 Account: COSCOMGCO Received: 05/05/04 09:00 Due Date: 05/06/04 00:00 RPT Date: 05/07/04 09:33
Diss. Silica will need a conversion - R2.14. Refer to L153555 jg-5/5