

Analytical Report**Report Summary**

Client: M & G Drilling

Chain Of Custody Number:

Samples Received: 8/5/2015 4:18:00PM

Job Number: 04033-0002

Work Order: P508006

Project Name/Location: Marron 42

Entire Report Reviewed By:



Date: 8/12/15

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



M & G Drilling
PO Box 5940
Farmington NM, 87499

Project Name: Marron 42
Project Number: 04033-0002
Project Manager: David Hinson

Reported:
12-Aug-15 08:07

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Marron 42	P508006-01A	Aqueous	08/05/15	08/05/15	Poly 500mL

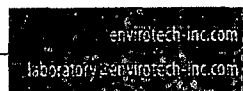
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Marron 42
P508006-01 (Water)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Cation/Anion Analysis									
pH @25°C	10.1		pH Units	1	1532012	08/06/15 10:09	08/06/15 10:09	150.1/4500H	H2
Electrical Conductivity	1090		umhos/cm	1	1532012	08/06/15 10:09	08/06/15 10:09	EPA 120.1	H2
Total Dissolved Solids	664	10.0	mg/L	1	1533002	08/10/15	08/10/15	160.1/2540C	
Sodium Absorption Ratio	56.2		N/A	1	1533007	08/10/15	08/10/15	[CALC]	
Total Alkalinity as CaCO3	140	10.0	mg/L	1	1532013	08/06/15	08/06/15	Hach Method 8203	
Total Hardness as CaCO3	3.88	0.07	mg/L		[CALC]	08/07/15	08/07/15	[CALC]	
Bicarbonate as CaCO3	ND	10.0	mg/L	1	1532013	08/06/15	08/06/15	Hach Method 8203	
Carbonate as CaCO3	120	10.0	mg/L	1	1532013	08/06/15	08/06/15	Hach Method 8203	
Hydroxide as CaCO3	20.0	10.0	mg/L	1	1532013	08/06/15	08/06/15	Hach Method 8203	
Nitrate-N	ND	0.20	mg/L	2	1532019	08/07/15 10:41	08/07/15 14:47	EPA 300.0	H2
Nitrite-N	ND	0.20	mg/L	2	1532019	08/07/15 10:41	08/07/15 14:47	EPA 300.0	H2
Chloride	66.7	2.00	mg/L	2	1532019	08/07/15	08/07/15	EPA 300.0	
Fluoride	8.15	0.20	mg/L	2	1532019	08/07/15	08/07/15	EPA 300.0	
o-Phosphate	ND	1.00	mg/L	2	1532019	08/07/15 10:41	08/07/15 14:47	EPA 300.0	H2
Sulfate	252	4.00	mg/L	2	1532019	08/07/15	08/07/15	EPA 300.0	
Iron	0.30	0.01	mg/L	1	1532018	08/07/15	08/07/15	EPA 6010C	
Calcium	1.38	0.01	mg/L	1	1532018	08/07/15	08/07/15	EPA 6010C	
Magnesium	0.11	0.01	mg/L	1	1532018	08/07/15	08/07/15	EPA 6010C	
Potassium	0.94	0.01	mg/L	1	1532018	08/07/15	08/07/15	EPA 6010C	
Sodium	255	0.01	mg/L	1	1532018	08/07/15	08/07/15	EPA 6010C	

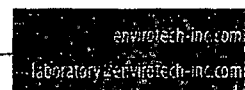
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Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1532019 - Anion Extraction EPA 300.0

Blank (1532019-BLK1)

Prepared & Analyzed: 07-Aug-15

Nitrate-N	ND	0.10	mg/L
Nitrite-N	ND	0.10	"
Chloride	ND	1.00	"
Fluoride	ND	0.10	"
o-Phosphate	ND	0.50	"
Sulfate	ND	2.00	"

LCS (1532019-BS1)

Prepared & Analyzed: 07-Aug-15

Nitrate-N	4.84	0.10	mg/L	5.00	96.8	90-110
Nitrite-N	5.01	0.10	"	5.00	100	90-110
Chloride	49.2	1.00	"	50.0	98.5	90-110
Fluoride	4.95	0.10	"	5.00	99.0	90-110
o-Phosphate	24.2	0.50	"	25.0	97.0	90-110
Sulfate	48.9	2.00	"	50.0	97.8	90-110

Matrix Spike (1532019-MS1)

Source: P508006-01

Prepared & Analyzed: 07-Aug-15

Nitrate-N	9.91	0.20	mg/L	10.0	ND	99.1	80-120
Nitrite-N	10.3	0.20	"	10.0	ND	103	80-120
Chloride	167	2.00	"	100	66.7	100	80-120
Fluoride	18.2	0.20	"	10.0	8.15	100	80-120
o-Phosphate	49.6	1.00	"	50.0	ND	99.2	80-120
Sulfate	349	4.00	"	100	252	97.8	80-120

Matrix Spike Dup (1532019-MSD1)

Source: P508006-01

Prepared & Analyzed: 07-Aug-15

Nitrate-N	9.91	0.20	mg/L	10.0	ND	99.1	80-120	0.0202	20
Nitrite-N	10.3	0.20	"	10.0	ND	103	80-120	0.485	20
Chloride	167	2.00	"	100	66.7	101	80-120	0.213	20
Fluoride	18.2	0.20	"	10.0	8.15	101	80-120	0.209	20
o-Phosphate	49.6	1.00	"	50.0	ND	99.1	80-120	0.0968	20
Sulfate	350	4.00	"	100	252	98.0	80-120	0.0664	20

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Notes and Definitions

H2 Sample was analyzed after regulatory hold-time exceeded for target analyte.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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