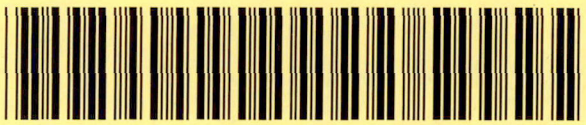
935IHSSF3080



DocumentID NONCD0002923

Site Name COOPER TOOLS, LLC

DocumentType Site Assessment Rpt (SAR)

RptSegment 2

DocDate 8/17/2011

DocRcvd 8/18/2011

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Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
J-01	Result is estimated due to positive results in the associated method blank.
O-01	This compound is a common laboratory contaminant.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QS-05	Surrogate recovery biased low due to suspected matrix effects, as evidenced by sample behavior during sample preparation (emulsion formation, excessive foaming).
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES
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CHAIN-OF-CUSTODY RECORD

B101800

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Page ____ of ____

Client: Shield Engineering, Inc. (SH007)		Project: [none]	
Address: 4301 Taggart Creek Road		Project: Cooper Tools	
City: Charlotte, NC 28208		PO # / Billing Info	
Tel: (704) 394-6913	Fax: (704) 394-6968	Report To: Mr. Dave Wallace	
Sampler(s) Name, Affiliation (Print): DANNY HEFNER, SHIELD ENGR		Billing: Mr. Dave Wallace	
Sampler(s) Signature: Danny Hefner		Site Location / Time Zone	

Requested Analyses

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8015 DAI	8260B	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn	CrVI	DRO 8015C	GRO 8015C	Hg	O&G 1664A	Solids, Dry Weight	Sample Comments
	MW-9	4-12-11	1425	GRAB	GW	4		X	X				X			
	MW-10		1400		GW	4		X	X				X			
	MW-11		0910		GW	4		X	X				X			
	MW-6		1205		GW	14	X	X	X	X	X	X	X	X		
	MW-6 D		1220		GW	14	X	X	X	X	X	X	X	X		
	MW-7		1240		GW	14	X	X	X	X	X	X	X	X		
	MW-8		1450		GW	14	X	X	X	X	X	X	X	X		
	RINSE		1000		GW	14	X	X	X	X	X	X	X	X		
	FIELD		1540		GW	12	X	X	X	X	X	X	X	X		
					GW	4		X	X				X			
					GW	4		X	X				X			
					GW	4		X	X				X			

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~B101652~~ KK 4-13-11

Sample Kit Prepared By: KK	Date/Time: 4-1-11 1536	Relinquished By: Kristi Kelly	Date/Time: 4-1-11 1536	Received By:	Date/Time:
Comments/Special Reporting Requirements:		Relinquished By: Danny Hefner	Date/Time: 4/12/11 1900	Received By: Kristi Kelly	Date/Time: 4-13-11 0845
		Relinquished By:	Date/Time:	Received By:	Date/Time:

Coolers & Temps on Receipt: Red @ 1.8°C Red 1 @ 0.9°C, Red 2 @ 1.1°C Jx-510 @ 0.6°C Blue @ 0.8°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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CHAIN-OF-CUSTODY RECORD

B101800

Page ___ of ___

Client: Shield Engineering, Inc. (SH007)	Project: [None]
Address: 4301 Taggart Creek Road	Project: Cooper Tools
City: Charlotte, NC 28208	PO # / Billing Info
Tel: (704) 394-6913 Fax: (704) 394-6968	Report To: Mr. Dave Wallace
Sampler(s) Name, Affiliation (Print): DANNY HEFNER, SHIELD ENGR	Billing: Mr. Dave Wallace
Sampler(s) Signature: Danny Hefner	Site Location / Time Zone: MONROE, NC

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: B101652 KK 4-13-11

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8015 DAI	8260B	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn	CrVI	DRO 8015C	GRO 8015C	Hg	O&G 1664A	Solids, Dry Weight	Sample Comments
					GW	4		X	X				X			
					GW	4		X	X				X			
					SOIL	4		X							X	
	SOIL-1	4-12-11	1125	GRAB	SOIL	4		X							X	
					SOIL	4		X							X	
					SOIL	4		X							X	
	Trip Blank	4-12-11			GW	2		X								
	Trip Blank	4-12-11			GW	2		X								
	MW-4	4-12-11	1515	GRAB	GW	2					X			X		

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: KK	Date/Time: 4-1-11 1530	Relinquished By: Kristi Kelly	Date/Time: 4-1-11 1530	Received By:	Date/Time:
Comments/Special Reporting Requirements:		Relinquished By: Danny Hefner	Date/Time: 4/12/11 1900	Received By: Kristi Kelly	Date/Time: 4-13-11 0845
		Relinquished By:	Date/Time:	Received By:	Date/Time:

Cooler #'s & Temps on Receipt: Red @ 19°C Red 1 @ 0.9, Red 2 @ 11°C, Jx-510 @ 0.6 Blue @ 0.8°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Thursday, June 2, 2011

Shield Engineering, Inc. (SH007)

Attn: Mr. Dave Wallace

4301 Taggart Creek Road

Charlotte, NC 28208

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Cooper Tools
ENCO Workorder: B102269

Dear Mr. Dave Wallace,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, May 25, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Jacksonville. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Lindsay J. Crawford

Lindsay J Crawford

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 146.

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

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Thursday, June 2, 2011

Shield Engineering, Inc. (SH007)

Attn: Mr. Dave Wallace

4301 Taggart Creek Road

Charlotte, NC 28208

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Cooper Tools
ENCO Workorder: B102269

Dear Mr. Dave Wallace,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, May 25, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Jacksonville. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Lindsay J. Crawford

Lindsay J Crawford

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 146.

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B101800

Page ___ of ___

Client: Shield Engineering, Inc. (SH007)	Project Name: [none]
Address: 4301 Taggart Creek Road	Project Number: Cooper Tools
City/State: Charlotte, NC 28208	PO # / Billing Info
Tel (704) 394-6913 Fax (704) 394-6968	Report to Contact: Mr. Dave Wallace
Sampler(s) Name, Affiliation (Print): DANNY HEFNER, SHIELD ENGR	Billing Contact: Mr. Dave Wallace
Sampler(s) Signature: DW Hefner	Site Location / Time Zone: MONROE, NC

Requested Analyses

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: B101652 KK 4-13-11

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8015 DAI	8260B	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn	CrVI	DRO 8015C	GRO 8015C	Hg	O&G 1664A	Solids, Dry Weight		Sample Comments
					GW	4		X	X				X				
					GW	4		X	X				X				
					SOIL	4		X							X		
	SOIL-1	4-12-11	1125	GRAB	SOIL	4		X							X		
					SOIL	4		X							X		
					SOIL	4		X							X		
	Trip Blank	4-12-11			GW	2		X									
	Trip Blank	4-12-11			GW	2		X									
	MW-4	4-12-11	1515	GRAB	GW	2					X			X			

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
KK	4-1-11 1536	Kristi Kelly	4-1-11 1536		
Comments/Special Reporting Requirements		DW Hefner	4/12/11 1900	Kristi Kelly	4-13-11 0845

Cooler #'s & Temps on Receipt: Red @ 1.8°C Red 1 @ 0.9, Red 2 @ 1.1°C, Jx-510 @ 0.6

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

Blue @ 0.8°

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PROJECT NARRATIVE

Client: Shield Engineering, Inc. (SH007)
Project: Cooper Tools
ENCO Project ID: B102269

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling and processing will be discussed in the Remarks section below.

Remarks

Analysis: EPA 7470A
Affected Samples: 1E31012-BLK1, 1E31012-BLK2, 1E31013-BLK1, 1E31013-BLK2, MW-1[B102269-01], MW-2[B102269-02], MW-3[B102269-03], MW-4[B102269-04], MW-5[B102269-05], MW-6[B102269-06], MW-7[B102269-07], MW-8[B102269-08], MW-8D[B102269-09], MW-12[B102269-10], MW-13[B102269-11], BAILER BLANK[B102269-12]
Nonconformance: The method blank associated to the flagged samples showed a positive result above the MDL, but below the reporting limit for Mercury. The laboratory control sample is passing all criteria.

Lindsay J Crawford
Project Manager

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1	Lab ID: B102269-01	Sampled: 05/24/11 13:50	Received: 05/25/11 10:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 1664A	06/21/11	05/26/11 11:27	5/31/2011 09:08
EPA 6010C	11/20/11	05/27/11 09:57	5/31/2011 11:48
EPA 6020A	11/20/11	05/26/11 10:21	5/27/2011 23:31
EPA 7470A	06/21/11	06/01/11 13:00	6/2/2011 13:08
EPA 8015C	05/31/11 07/04/11	05/25/11 13:00	5/25/2011 20:17
EPA 8015C	06/07/11	05/31/11 10:00	5/31/2011 12:45
EPA 8015C	06/07/11	05/31/11 10:38	5/31/2011 15:35
EPA 8260B	06/07/11	05/26/11 18:38	5/27/2011 10:04
SM18 3500 Cr-D	05/25/11 13:50	05/25/11 12:05	5/25/2011 13:05

Client ID: MW-2	Lab ID: B102269-02	Sampled: 05/24/11 14:14	Received: 05/25/11 10:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 1664A	06/21/11	05/26/11 11:27	5/31/2011 09:08
EPA 6010C	11/20/11	05/27/11 09:57	5/31/2011 11:49
EPA 6020A	11/20/11	05/26/11 10:21	5/28/2011 00:13
EPA 7470A	06/21/11	06/01/11 13:00	6/2/2011 13:10
EPA 8015C	05/31/11 07/04/11	05/25/11 13:00	5/25/2011 20:41
EPA 8015C	06/07/11	05/31/11 10:00	5/31/2011 12:56
EPA 8015C	06/07/11	05/31/11 10:38	5/31/2011 16:06
EPA 8260B	06/07/11	05/26/11 18:38	5/28/2011 00:30
SM18 3500 Cr-D	05/25/11 14:14	05/25/11 12:05	5/25/2011 13:05

Client ID: MW-3	Lab ID: B102269-03	Sampled: 05/24/11 13:59	Received: 05/25/11 10:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 1664A	06/21/11	05/26/11 11:27	5/31/2011 09:08
EPA 6010C	11/20/11	05/27/11 09:57	5/31/2011 11:51
EPA 6020A	11/20/11	05/26/11 10:21	5/28/2011 00:21
EPA 7470A	06/21/11	06/01/11 13:00	6/2/2011 13:11
EPA 8015C	05/31/11 07/04/11	05/25/11 13:00	5/25/2011 21:04
EPA 8015C	06/07/11	05/31/11 10:00	5/31/2011 13:07
EPA 8015C	06/07/11	05/31/11 10:38	5/31/2011 16:38
EPA 8260B	06/07/11	05/26/11 18:38	5/28/2011 01:05
SM18 3500 Cr-D	05/25/11 13:59	05/25/11 12:05	5/25/2011 13:05

Client ID: MW-4	Lab ID: B102269-04	Sampled: 05/24/11 14:29	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:57	5/31/2011 11:53
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 01:12
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:13
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/25/2011 21:28
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 13:18
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 17:09
EPA 8260B	06/07/11		05/26/11	18:38	5/28/2011 02:49
SM18 3500 Cr-D	05/25/11	14:29	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-5	Lab ID: B102269-05	Sampled: 05/24/11 14:55	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 12:46
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 01:19
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:15
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/25/2011 21:52
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 13:29
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 17:40
EPA 8260B	06/07/11		05/26/11	18:38	5/28/2011 01:40
SM18 3500 Cr-D	05/25/11	14:55	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-6	Lab ID: B102269-06	Sampled: 05/24/11 15:29	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 12:48
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 01:26
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:20
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/25/2011 22:39
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 13:40
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 18:11
EPA 8260B	06/07/11		05/26/11	18:38	5/28/2011 02:15
SM18 3500 Cr-D	05/25/11	15:29	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-7	Lab ID: B102269-07	Sampled: 05/24/11 15:59	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 12:50
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 01:36
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:22
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/25/2011 23:02
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 13:51
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 18:43
EPA 8260B	06/07/11		05/26/11	18:38	5/28/2011 03:24
SM18 3500 Cr-D	05/25/11	15:59	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-8	Lab ID: B102269-08	Sampled: 05/24/11 14:40	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 12:52
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 01:43
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:24
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/25/2011 23:26
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 14:02
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 19:14
SM18 3500 Cr-D	05/25/11	14:40	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-8	Lab ID: B102269-08RE1	Sampled: 05/24/11 14:40	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/31/2011 18:19

Client ID: MW-8D	Lab ID: B102269-09	Sampled: 05/24/11 15:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 12:54
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 01:50
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:25
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/25/2011 23:49
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 14:13
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 20:16
SM18 3500 Cr-D	05/25/11	15:00	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-8D	Lab ID: B102269-09RE1	Sampled: 05/24/11 15:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/31/2011 18:54

Client ID: MW-12	Lab ID: B102269-10	Sampled: 05/24/11 15:32	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 13:00
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 02:00
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:27
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/26/2011 00:13
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 14:23
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 20:48
SM18 3500 Cr-D	05/25/11	15:32	05/25/11	12:05	5/25/2011 13:05

Client ID: MW-12	Lab ID: B102269-10RE1	Sampled: 05/24/11 15:32	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/31/2011 16:35

Client ID: MW-13	Lab ID: B102269-11	Sampled: 05/24/11 16:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 13:02
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 02:07
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:29
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/26/2011 00:36
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 14:45
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 21:19
SM18 3500 Cr-D	05/25/11 16:00		05/25/11	12:05	5/25/2011 13:05

Client ID: MW-13	Lab ID: B102269-11RE1	Sampled: 05/24/11 16:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/31/2011 17:10

Client ID: MW-13	Lab ID: B102269-11RE2	Sampled: 05/24/11 16:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	6/1/2011 10:58

Client ID: BAILER BLANK	Lab ID: B102269-12	Sampled: 05/24/11 10:51	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/21/11		05/26/11	11:27	5/31/2011 09:08
EPA 6010C	11/20/11		05/27/11	09:42	5/31/2011 13:04
EPA 6020A	11/20/11		05/26/11	10:21	5/28/2011 02:14
EPA 7470A	06/21/11		06/01/11	13:00	6/2/2011 13:30
EPA 8015C	05/31/11	07/04/11	05/25/11	13:00	5/26/2011 01:00
EPA 8015C	06/07/11		05/31/11	10:00	5/31/2011 14:56
EPA 8015C	06/07/11		05/31/11	10:38	5/31/2011 21:50
EPA 8260B	06/07/11		05/26/11	18:38	5/27/2011 20:28
SM18 3500 Cr-D	05/25/11 10:51		05/25/11	10:30	5/25/2011 10:35

Client ID: TRIP BLANK 1	Lab ID: B102269-13	Sampled: 05/24/11 00:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/27/2011 21:03

Client ID: TRIP BLANK 2	Lab ID: B102269-14	Sampled: 05/24/11 00:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/27/2011 21:37

Client ID: TRIP BLANK 3	Lab ID: B102269-15	Sampled: 05/24/11 00:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11	18:38	5/27/2011 22:12

Client ID: TRIP BLANK 4	Lab ID: B102269-16	Sampled: 05/24/11 00:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11 18:38	5/27/2011 22:47

Client ID: TRIP BLANK 5	Lab ID: B102269-17	Sampled: 05/24/11 00:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11 18:38	5/27/2011 23:21

Client ID: TRIP BLANK 6	Lab ID: B102269-18	Sampled: 05/24/11 00:00	Received: 05/25/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/07/11	05/26/11 18:38	5/27/2011 23:56

SAMPLE DETECTION SUMMARY

Client ID: MW-1 **Lab ID: B102269-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1,1-Trichloroethane	71		2.0	10	ug/L	EPA 8260B	
1,1,2-Trichloroethane	9.3	I	4.0	10	ug/L	EPA 8260B	
1,1-Dichloroethane	10		3.0	10	ug/L	EPA 8260B	
1,1-Dichloroethene	1000		2.1	10	ug/L	EPA 8260B	
Beryllium - Total	0.179	I	0.100	1.00	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	44		2.2	10	ug/L	EPA 8260B	
GRO (C6-C10)	0.420		0.011	0.055	mg/L	EPA 8015C	
Lead - Total	3.46	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.126	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	1.56	I	1.10	10.0	ug/L	EPA 6010C	
Tetrachloroethene	1000		2.1	10	ug/L	EPA 8260B	
Trichloroethene	10		2.4	10	ug/L	EPA 8260B	
Zinc - Total	5.94	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-2 **Lab ID: B102269-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1,1-Dichloroethane	2.0		0.30	1.0	ug/L	EPA 8260B	
Beryllium - Total	0.295	I	0.100	1.00	ug/L	EPA 6010C	
Carbon disulfide	0.52	IV	0.24	5.0	ug/L	EPA 8260B	
Chromium - Total	8.64	I	1.30	10.0	ug/L	EPA 6010C	
Copper - Total	10.6		1.50	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.12		0.024	0.10	mg/L	EPA 8015C	
Lead - Total	9.08	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.129	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	13.2		1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	23.4		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-3 **Lab ID: B102269-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.136	I	0.100	1.00	ug/L	EPA 6010C	
Chromium - Total	1.86	I	1.30	10.0	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.9		0.22	1.0	ug/L	EPA 8260B	
Mercury - Total	0.0870	IV	0.0720	0.200	ug/L	EPA 7470A	J-01
Nickel - Total	2.60	I	1.10	10.0	ug/L	EPA 6010C	
Tetrachloroethene	0.64	I	0.21	1.0	ug/L	EPA 8260B	
Trichloroethene	0.42	I	0.24	1.0	ug/L	EPA 8260B	
Zinc - Total	5.12	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-4 **Lab ID: B102269-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Beryllium - Total	0.118	I	0.100	1.00	ug/L	EPA 6010C	
Chromium - Total	1.60	I	1.30	10.0	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	84		1.1	5.0	ug/L	EPA 8260B	
Copper - Total	1.67	I	1.50	10.0	ug/L	EPA 6010C	
GRO (C6-C10)	0.266		0.011	0.055	mg/L	EPA 8015C	
Lead - Total	3.50	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.127	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	1.80	I	1.10	10.0	ug/L	EPA 6010C	
Tetrachloroethene	600		1.0	5.0	ug/L	EPA 8260B	

Client ID: MW-4			Lab ID: B102269-04				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Trichloroethene	78		1.2	5.0	ug/L	EPA 8260B	
Zinc - Total	4.92	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-5			Lab ID: B102269-05				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	0.77	I	0.30	1.0	ug/L	EPA 8260B	
Cadmium - Total	0.396	I	0.370	1.00	ug/L	EPA 6010C	
Chromium - Total	1.64	I	1.30	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.039	I	0.024	0.10	mg/L	EPA 8015C	
Lead - Total	3.37	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.0862	IV	0.0720	0.200	ug/L	EPA 7470A	J-01
Nickel - Total	2.90	I	1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	5.88	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-6			Lab ID: B102269-06				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	0.92	I	0.30	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	31		0.21	1.0	ug/L	EPA 8260B	
1,2-Dichloroethane	0.63	I	0.28	1.0	ug/L	EPA 8260B	
Antimony - Total	2.38	I	0.950	20.0	ug/L	EPA 6020A	
Arsenic - Total	663		33.5	50.0	ug/L	EPA 6010C	
Beryllium - Total	25.4		0.500	5.00	ug/L	EPA 6010C	
Cadmium - Total	2.29	I	1.85	5.00	ug/L	EPA 6010C	
Chromium - Total	186		6.50	50.0	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.8		0.22	1.0	ug/L	EPA 8260B	
Copper - Total	952		7.50	50.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.13		0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.018	I	0.011	0.055	mg/L	EPA 8015C	
Lead - Total	1650		14.5	50.0	ug/L	EPA 6010C	
Mercury - Total	0.848	V	0.216	0.600	ug/L	EPA 7470A	J-01
Nickel - Total	77.4		5.50	50.0	ug/L	EPA 6010C	
Tetrachloroethene	26		0.21	1.0	ug/L	EPA 8260B	
Thallium - Total	1.30		0.410	1.00	ug/L	EPA 6020A	
Trichloroethene	9.6		0.24	1.0	ug/L	EPA 8260B	
Zinc - Total	176		17.5	50.0	ug/L	EPA 6010C	

Client ID: MW-7			Lab ID: B102269-07				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethene	18		1.0	5.0	ug/L	EPA 8260B	
Arsenic - Total	11.8		6.70	10.0	ug/L	EPA 6010C	
Beryllium - Total	0.391	I	0.100	1.00	ug/L	EPA 6010C	
Chromium - Total	14.8		1.30	10.0	ug/L	EPA 6010C	
Copper - Total	12.0		1.50	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.028	I	0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.063		0.011	0.055	mg/L	EPA 8015C	
Lead - Total	9.35	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.0849	IV	0.0720	0.200	ug/L	EPA 7470A	J-01
Nickel - Total	9.59	I	1.10	10.0	ug/L	EPA 6010C	
Tetrachloroethene	160		1.0	5.0	ug/L	EPA 8260B	
Trichloroethene	1.2	I	1.2	5.0	ug/L	EPA 8260B	
Zinc - Total	22.9		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-8			Lab ID: B102269-08				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Arsenic - Total	13.0		6.70	10.0	ug/L	EPA 6010C	
Beryllium - Total	0.498	I	0.100	1.00	ug/L	EPA 6010C	
Cadmium - Total	1.05		0.370	1.00	ug/L	EPA 6010C	
Chromium - Total	18.0		1.30	10.0	ug/L	EPA 6010C	
Copper - Total	21.3		1.50	10.0	ug/L	EPA 6010C	
GRO (C6-C10)	1.04		0.011	0.055	mg/L	EPA 8015C	
Lead - Total	18.7		2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.327	IV	0.216	0.600	ug/L	EPA 7470A	J-01
Nickel - Total	20.9		1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	50.9		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-8			Lab ID: B102269-08RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethene	88		10	50	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	78		11	50	ug/L	EPA 8260B	
Tetrachloroethene	2700		10	50	ug/L	EPA 8260B	
Trichloroethene	86		12	50	ug/L	EPA 8260B	

Client ID: MW-8D			Lab ID: B102269-09				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Arsenic - Total	10.7		6.70	10.0	ug/L	EPA 6010C	
Beryllium - Total	0.398	I	0.100	1.00	ug/L	EPA 6010C	
Cadmium - Total	0.518	I	0.370	1.00	ug/L	EPA 6010C	
Chromium - Total	13.4		1.30	10.0	ug/L	EPA 6010C	
Copper - Total	15.7		1.50	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.035	I	0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.982		0.011	0.055	mg/L	EPA 8015C	
Lead - Total	14.4		2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.346	IV	0.216	0.600	ug/L	EPA 7470A	J-01
Nickel - Total	16.3		1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	40.0		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-8D			Lab ID: B102269-09RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
cis-1,2-Dichloroethene	68		11	50	ug/L	EPA 8260B	
Tetrachloroethene	3300		10	50	ug/L	EPA 8260B	
Trichloroethene	84		12	50	ug/L	EPA 8260B	

Client ID: MW-12			Lab ID: B102269-10				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Beryllium - Total	0.220	I	0.100	1.00	ug/L	EPA 6010C	
Cadmium - Total	0.384	I	0.370	1.00	ug/L	EPA 6010C	
Chromium - Total	2.10	I	1.30	10.0	ug/L	EPA 6010C	
Copper - Total	8.45	I	1.50	10.0	ug/L	EPA 6010C	
GRO (C6-C10)	0.023	I	0.011	0.055	mg/L	EPA 8015C	
Lead - Total	7.22	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.133	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	11.4		1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	11.0		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-13			Lab ID: B102269-11				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Beryllium - Total	0.110	I	0.100	1.00	ug/L	EPA 6010C	
Chromium - Total	1.52	I	1.30	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.092	I	0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.035	I	0.011	0.055	mg/L	EPA 8015C	
Mercury - Total	0.0837	IV	0.0720	0.200	ug/L	EPA 7470A	J-01
Nickel - Total	2.50	I	1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	4.78	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-13			Lab ID: B102269-11RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	0.58	I	0.20	1.0	ug/L	EPA 8260B	
Acetone	7.4		1.1	5.0	ug/L	EPA 8260B	
Chloroform	2.3		0.21	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	22		0.22	1.0	ug/L	EPA 8260B	
Tetrachloroethene	67		0.21	1.0	ug/L	EPA 8260B	
Trichloroethene	4.4		0.24	1.0	ug/L	EPA 8260B	

Client ID: MW-13			Lab ID: B102269-11RE2				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethene	150		1.0	5.0	ug/L	EPA 8260B	

Client ID: BAILER BLANK			Lab ID: B102269-12				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Mercury - Total	0.0851	IV	0.0720	0.200	ug/L	EPA 7470A	J-01

ANALYTICAL RESULTS

Description: MW-1 **Lab Sample ID:** B102269-01 **Received:** 05/25/11 10:15
Matrix: Ground Water **Sampled:** 05/24/11 13:50 **Work Order:** B102269
Project: Cooper Tools **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**71**		ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	3.2	*U*	*ug/L*	1	3.2	10	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	
1,1,2-Trichloroethane [79-00-5] ^	**9.3**	I	ug/L	1	4.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,1-Dichloroethane [75-34-3] ^	**10**		ug/L	1	3.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,1-Dichloroethene [75-35-4] ^	**1000**		ug/L	1	2.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,1-Dichloropropene [563-58-6] ^	2.1	U	ug/L	1	2.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	5.0	U	ug/L	1	5.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2,3-Trichloropropane [96-18-4] ^	3.0	U	ug/L	1	3.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	4.1	U	ug/L	1	4.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	2.8	U	ug/L	1	2.8	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	6.0	U	ug/L	1	6.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2-Dibromoethane [106-93-4] ^	2.7	U	ug/L	1	2.7	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2-Dichlorobenzene [95-50-1] ^	2.4	U	ug/L	1	2.4	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,2-Dichloroethane [107-06-2] ^	2.8	*U*	*ug/L*	1	2.8	10	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	
1,2-Dichloropropane [78-87-5] ^	3.0	U	ug/L	1	3.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	2.6	U	ug/L	1	2.6	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,3-Dichlorobenzene [541-73-1] ^	2.7	U	ug/L	1	2.7	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,3-Dichloropropane [142-28-9] ^	2.5	U	ug/L	1	2.5	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
1,4-Dichlorobenzene [106-46-7] ^	2.3	U	ug/L	1	2.3	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
2,2-Dichloropropane [594-20-7] ^	4.0	U	ug/L	1	4.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
2-Butanone [78-93-3] ^	3.8	U	ug/L	1	3.8	50	1E26018	EPA 8260B	05/27/11 10:04	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	15	U	ug/L	1	15	50	1E26018	EPA 8260B	05/27/11 10:04	GMB	
2-Chlorotoluene [95-49-8] ^	3.3	U	ug/L	1	3.3	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
2-Hexanone [591-78-6] ^	5.0	U	ug/L	1	5.0	50	1E26018	EPA 8260B	05/27/11 10:04	GMB	
4-Chlorotoluene [106-43-4] ^	2.2	U	ug/L	1	2.2	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
4-Isopropyltoluene [99-87-6] ^	2.9	*U*	*ug/L*	1	2.9	10	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	
4-Methyl-2-pentanone [108-10-1] ^	10	U	ug/L	1	10	50	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Acetone [67-64-1] ^	11	U	ug/L	1	11	50	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Benzene [71-43-2] ^	2.7	U	ug/L	1	2.7	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Bromobenzene [108-86-1] ^	2.6	U	ug/L	1	2.6	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Bromochloromethane [74-97-5] ^	2.8	U	ug/L	1	2.8	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Bromodichloromethane [75-27-4] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Bromoform [75-25-2] ^	3.3	U	ug/L	1	3.3	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Bromomethane [74-83-9] ^	6.4	U	ug/L	1	6.4	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Carbon disulfide [75-15-0] ^	2.4	U	ug/L	1	2.4	50	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Carbon tetrachloride [56-23-5] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Chlorobenzene [108-90-7] ^	2.4	U	ug/L	1	2.4	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Chloroethane [75-00-3] ^	3.1	*U*	*ug/L*	1	3.1	10	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	
Chloroform [67-66-3] ^	2.1	U	ug/L	1	2.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Chloromethane [74-87-3] ^	3.1	U	ug/L	1	3.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**44**		ug/L	1	2.2	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	3.5	U	ug/L	1	3.5	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Dibromochloromethane [124-48-1] ^	2.7	U	ug/L	1	2.7	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Dibromomethane [74-95-3] ^	2.7	U	ug/L	1	2.7	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Dichlorodifluoromethane [75-71-8] ^	2.9	U	ug/L	1	2.9	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Ethylbenzene [100-41-4] ^	2.6	U	ug/L	1	2.6	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Hexachlorobutadiene [87-68-3] ^	3.5	U	ug/L	1	3.5	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	

Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	5.0	U	ug/L	1	5.0	20	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Methylene chloride [75-09-2] ^	6.2	U	ug/L	1	6.2	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Methyl-tert-Butyl Ether [1634-04-4] ^	2.4	U	ug/L	1	2.4	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Naphthalene [91-20-3] ^	3.0	U	ug/L	1	3.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
n-Butyl Benzene [104-51-8] ^	2.8	U	ug/L	1	2.8	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
n-Propyl Benzene [103-65-1] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
o-Xylene [95-47-6] ^	2.5	U	ug/L	1	2.5	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
sec-Butylbenzene [135-98-8] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Styrene [100-42-5] ^	3.2	U	ug/L	1	3.2	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
tert-Butylbenzene [98-06-6] ^	2.1	U	ug/L	1	2.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Tetrachloroethene [127-18-4] ^	**1000**		ug/L	1	2.1	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Toluene [108-88-3] ^	3.0	U	ug/L	1	3.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	3.0	U	ug/L	1	3.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	3.3	U	ug/L	1	3.3	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Trichloroethene [79-01-6] ^	**10**		ug/L	1	2.4	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Trichlorofluoromethane [75-69-4] ^	2.0	U	ug/L	1	2.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Vinyl chloride [75-01-4] ^	3.3	U	ug/L	1	3.3	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	
Xylenes (Total) [1330-20-7] ^	5.0	U	ug/L	1	5.0	10	1E26018	EPA 8260B	05/27/11 10:04	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*500*	*1*	*500*	*100 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	
Dibromofluoromethane	*530*	*1*	*500*	*107 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	
Toluene-d8	*580*	*1*	*500*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 10:04*	*GMB*	

Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 12:45	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 12:45	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*97*	*1*	*101*	*95.9 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 12:45*	*LAC*	

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Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 20:17	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.049*	*1*	*0.0505*	*98 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 20:17*	*JSW*	

Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.126**	IV	ug/L	1	0.108	0.300	1E31012	EPA 7470A	06/02/11 13:08	LTS	J-01

Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Beryllium [7440-41-7] ^	**0.179**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Lead [7439-92-1] ^	**3.46**	I	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Nickel [7440-02-0] ^	**1.56**	I	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	
Zinc [7440-66-6] ^	**5.94**	I	ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:48	ACV	

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Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [18540-29-9] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/27/11 23:31	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/27/11 23:31	JMA	

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Description: MW-1 | **Lab Sample ID:** B102269-01 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:50 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.420**		mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 15:35	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0696*	*1*	*0.100*	*70 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 15:35*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,1-Dichloroethane [75-34-3] ^	**2.0**		ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Carbon disulfide [75-15-0] ^	**0.52**	IV	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	

Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 00:30	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/28/11 00:30*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/28/11 00:30*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/28/11 00:30*	*GMB*	

Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 12:56	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 12:56	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*100*	*1*	*101*	*103 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 12:56*	*LAC*	

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Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.12**		mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 20:41	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.051*	*1*	*0.0515*	*100 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 20:41*	*JSW*	

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Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.129**	IV	ug/L	1	0.108	0.300	1E31012	EPA 7470A	06/02/11 13:10	LTS	J-01

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Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Beryllium [7440-41-7] ^	**0.295**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Chromium [7440-47-3] ^	**8.64**	I	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Copper [7440-50-8] ^	**10.6**		ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Lead [7439-92-1] ^	**9.08**	I	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Nickel [7440-02-0] ^	**13.2**		ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	
Zinc [7440-66-6] ^	**23.4**		ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:49	ACV	

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Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 00:13	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 00:13	JMA	

Description: MW-2 | **Lab Sample ID:** B102269-02 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:14 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.011	U	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 16:06	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0826*	*1*	*0.100*	*83 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 16:06*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**3.9**		ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	

Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Tetrachloroethene [127-18-4] ^	**0.64**	I	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Trichloroethene [79-01-6] ^	**0.42**	I	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 01:05	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/28/11 01:05*	*GMB*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/28/11 01:05*	*GMB*	
Toluene-d8	*57*	*1*	*50.0*	*114 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/28/11 01:05*	*GMB*	

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Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 13:07	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 13:07	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*99*	*1*	*101*	*98.4 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 13:07*	*LAC*	

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Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [EQL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 21:04	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.053*	*1*	*0.0538*	*98 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 21:04*	*JSW*	

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Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0870**	IV	ug/L	1	0.0720	0.200	1E31012	EPA 7470A	06/02/11 13:11	LTS	J-01

Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Beryllium [7440-41-7] ^	**0.136**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Chromium [7440-47-3] ^	**1.86**	I	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Nickel [7440-02-0] ^	**2.60**	I	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	
Zinc [7440-66-6] ^	**5.12**	I	ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:51	ACV	

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Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 00:21	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 00:21	JMA	

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Description: MW-3 | **Lab Sample ID:** B102269-03 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 13:59 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.011	U	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 16:38	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0850*	*1*	*0.100*	*85 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 16:38*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,1,1-Trichloroethane [71-55-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,1,2-Trichloroethane [79-00-5] ^	2.0	U	ug/L	5	2.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,1-Dichloroethane [75-34-3] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,1-Dichloroethene [75-35-4] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,1-Dichloropropene [563-58-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	2.5	U	ug/L	5	2.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2,3-Trichloropropane [96-18-4] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	2.0	U	ug/L	5	2.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	3.0	U	ug/L	5	3.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2-Dibromoethane [106-93-4] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2-Dichlorobenzene [95-50-1] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2-Dichloroethane [107-06-2] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,2-Dichloropropane [78-87-5] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	1.3	U	ug/L	5	1.3	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,3-Dichlorobenzene [541-73-1] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,3-Dichloropropane [142-28-9] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
1,4-Dichlorobenzene [106-46-7] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
2,2-Dichloropropane [594-20-7] ^	2.0	U	ug/L	5	2.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
2-Butanone [78-93-3] ^	1.9	U	ug/L	5	1.9	25	1E26018	EPA 8260B	05/28/11 02:49	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	7.5	U	ug/L	5	7.5	25	1E26018	EPA 8260B	05/28/11 02:49	GMB	
2-Chlorotoluene [95-49-8] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
2-Hexanone [591-78-6] ^	2.5	U	ug/L	5	2.5	25	1E26018	EPA 8260B	05/28/11 02:49	GMB	
4-Chlorotoluene [106-43-4] ^	1.1	U	ug/L	5	1.1	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
4-Isopropyltoluene [99-87-6] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
4-Methyl-2-pentanone [108-10-1] ^	5.0	U	ug/L	5	5.0	25	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Acetone [67-64-1] ^	5.5	U	ug/L	5	5.5	25	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Benzene [71-43-2] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Bromobenzene [108-86-1] ^	1.3	U	ug/L	5	1.3	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Bromochloromethane [74-97-5] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Bromodichloromethane [75-27-4] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Bromoform [75-25-2] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Bromomethane [74-83-9] ^	3.2	U	ug/L	5	3.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Carbon disulfide [75-15-0] ^	1.2	U	ug/L	5	1.2	25	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Carbon tetrachloride [56-23-5] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Chlorobenzene [108-90-7] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Chloroethane [75-00-3] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Chloroform [67-66-3] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Chloromethane [74-87-3] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**84**		ug/L	5	1.1	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	1.8	U	ug/L	5	1.8	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Dibromochloromethane [124-48-1] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Dibromomethane [74-95-3] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Dichlorodifluoromethane [75-71-8] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Ethylbenzene [100-41-4] ^	1.3	U	ug/L	5	1.3	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Hexachlorobutadiene [87-68-3] ^	1.8	U	ug/L	5	1.8	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Isopropylbenzene [98-82-8] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	2.5	U	ug/L	5	2.5	10	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Methylene chloride [75-09-2] ^	3.1	U	ug/L	5	3.1	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	

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Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Naphthalene [91-20-3] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
n-Butyl Benzene [104-51-8] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
n-Propyl Benzene [103-65-1] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
o-Xylene [95-47-6] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
sec-Butylbenzene [135-98-8] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Styrene [100-42-5] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
tert-Butylbenzene [98-06-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Tetrachloroethene [127-18-4] ^	**600**		ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Toluene [108-88-3] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Trichloroethene [79-01-6] ^	**78**		ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Trichlorofluoromethane [75-69-4] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Vinyl chloride [75-01-4] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	
Xylenes (Total) [1330-20-7] ^	2.5	U	ug/L	5	2.5	5.0	1E26018	EPA 8260B	05/28/11 02:49	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*99 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/28/11 02:49*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/28/11 02:49*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/28/11 02:49*	*GMB*	

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Description: MW-4
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-04
Sampled: 05/24/11 14:29
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 13:18	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 13:18	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*99*	*1*	*101*	*97.6 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 13:18*	*LAC*	

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Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 21:28	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.057*	*1*	*0.0538*	*106 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 21:28*	*JSW*	

Description: MW-4
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-04
Sampled: 05/24/11 14:29
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.127**	IV	ug/L	1	0.108	0.300	1E31012	EPA 7470A	06/02/11 13:13	LTS	J-01

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Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Beryllium [7440-41-7] ^	**0.118**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Chromium [7440-47-3] ^	**1.60**	I	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Copper [7440-50-8] ^	**1.67**	I	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Lead [7439-92-1] ^	**3.50**	I	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Nickel [7440-02-0] ^	**1.80**	I	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	
Zinc [7440-66-6] ^	**4.92**	I	ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:53	ACV	

Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 01:12	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 01:12	JMA	

Description: MW-4 | **Lab Sample ID:** B102269-04 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.266		mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 17:09	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0855*	*1*	*0.100*	*86 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 17:09*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,1-Dichloroethane [75-34-3] ^	**0.77**	I	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	

Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 01:40	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*97 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/28/11 01:40*	*GMB*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/28/11 01:40*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/28/11 01:40*	*GMB*	

Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 13:29	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 13:29	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*99*	*1*	*101*	*98.4 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 13:29*	*LAC*	

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Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.039**	I	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 21:52	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.052*	*1*	*0.0532*	*98 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 21:52*	*JSW*	

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Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0862**	IV	ug/L	1	0.0720	0.200	1E31012	EPA 7470A	06/02/11 13:15	LTS	J-01

Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Cadmium [7440-43-9] ^	***0.396***	I	ug/L	1	0.370	1.00	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Chromium [7440-47-3] ^	**1.64**	I	ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Lead [7439-92-1] ^	**3.37**	I	ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Nickel [7440-02-0] ^	**2.90**	I	ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	
Zinc [7440-66-6] ^	**5.88**	I	ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 12:46	ACV	

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Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

www.encolabs.com

Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 01:19	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 01:19	JMA	

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Description: MW-5 | **Lab Sample ID:** B102269-05 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:55 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.011	U	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 17:40	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0841*	*1*	*0.100*	*84 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 17:40*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,1-Dichloroethane [75-34-3] ^	**0.92**	I	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,1-Dichloroethene [75-35-4] ^	**31**		ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2-Dichloroethane [107-06-2] ^	**0.63**	I	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**3.8**		ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	

Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Tetrachloroethene [127-18-4] ^	**26**		ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Trichloroethene [79-01-6] ^	**9.6**		ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/28/11 02:15	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*99 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/28/11 02:15*	*GMB*	
Dibromofluoromethane	*52*	*1*	*50.0*	*105 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/28/11 02:15*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/28/11 02:15*	*GMB*	

Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 13:40	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 13:40	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*97*	*1*	*101*	*95.8 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 13:40*	*LAC*	

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Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.13**		mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 22:39	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.037*	*1*	*0.0538*	*69 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 22:39*	*JSW*	

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Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.848**	V	ug/L	1	0.216	0.600	1E31012	EPA 7470A	06/02/11 13:20	LTS	J-01

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Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**663**		ug/L	5	33.5	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Beryllium [7440-41-7] ^	**25.4**		ug/L	5	0.500	5.00	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Cadmium [7440-43-9] ^	**2.29**	I	ug/L	5	1.85	5.00	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Chromium [7440-47-3] ^	**186**		ug/L	5	6.50	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Copper [7440-50-8] ^	**952**		ug/L	5	7.50	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Lead [7439-92-1] ^	**1650**		ug/L	5	14.5	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Nickel [7440-02-0] ^	**77.4**		ug/L	5	5.50	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Selenium [7782-49-2] ^	44.5	U	ug/L	5	44.5	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Silver [7440-22-4] ^	7.50	U	ug/L	5	7.50	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	
Zinc [7440-66-6] ^	**176**		ug/L	5	17.5	50.0	1E27012	EPA 6010C	05/31/11 12:48	ACV	

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Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**2.38**	I	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 01:26	JMA	
Thallium [7440-28-0] ^	**1.30**		ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 01:26	JMA	

Description: MW-6 | **Lab Sample ID:** B102269-06 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:29 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.018**	I	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 18:11	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0848*	*1*	*0.100*	*85 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 18:11*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-7 **Lab Sample ID:** B102269-07 **Received:** 05/25/11 10:15

Matrix: Ground Water **Sampled:** 05/24/11 15:59 **Work Order:** B102269

Project: Cooper Tools **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,1,1-Trichloroethane [71-55-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,1,2-Trichloroethane [79-00-5] ^	2.0	U	ug/L	5	2.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,1-Dichloroethane [75-34-3] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,1-Dichloroethene [75-35-4] ^	**18**		ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,1-Dichloropropene [563-58-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	2.5	U	ug/L	5	2.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2,3-Trichloropropane [96-18-4] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	2.0	U	ug/L	5	2.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	3.0	U	ug/L	5	3.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2-Dibromoethane [106-93-4] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2-Dichlorobenzene [95-50-1] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2-Dichloroethane [107-06-2] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,2-Dichloropropane [78-87-5] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	1.3	U	ug/L	5	1.3	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,3-Dichlorobenzene [541-73-1] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,3-Dichloropropane [142-28-9] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
1,4-Dichlorobenzene [106-46-7] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
2,2-Dichloropropane [594-20-7] ^	2.0	U	ug/L	5	2.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
2-Butanone [78-93-3] ^	1.9	U	ug/L	5	1.9	25	1E26018	EPA 8260B	05/28/11 03:24	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	7.5	U	ug/L	5	7.5	25	1E26018	EPA 8260B	05/28/11 03:24	GMB	
2-Chlorotoluene [95-49-8] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
2-Hexanone [591-78-6] ^	2.5	U	ug/L	5	2.5	25	1E26018	EPA 8260B	05/28/11 03:24	GMB	
4-Chlorotoluene [106-43-4] ^	1.1	U	ug/L	5	1.1	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
4-Isopropyltoluene [99-87-6] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
4-Methyl-2-pentanone [108-10-1] ^	5.0	U	ug/L	5	5.0	25	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Acetone [67-64-1] ^	5.5	U	ug/L	5	5.5	25	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Benzene [71-43-2] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Bromobenzene [108-86-1] ^	1.3	U	ug/L	5	1.3	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Bromochloromethane [74-97-5] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Bromodichloromethane [75-27-4] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Bromoform [75-25-2] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Bromomethane [74-83-9] ^	3.2	U	ug/L	5	3.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Carbon disulfide [75-15-0] ^	1.2	U	ug/L	5	1.2	25	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Carbon tetrachloride [56-23-5] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Chlorobenzene [108-90-7] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Chloroethane [75-00-3] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Chloroform [67-66-3] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Chloromethane [74-87-3] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	1.1	U	ug/L	5	1.1	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	1.8	U	ug/L	5	1.8	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Dibromochloromethane [124-48-1] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Dibromomethane [74-95-3] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Dichlorodifluoromethane [75-71-8] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Ethylbenzene [100-41-4] ^	1.3	U	ug/L	5	1.3	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Hexachlorobutadiene [87-68-3] ^	1.8	U	ug/L	5	1.8	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Isopropylbenzene [98-82-8] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	2.5	U	ug/L	5	2.5	10	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Methylene chloride [75-09-2] ^	3.1	U	ug/L	5	3.1	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	

Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Naphthalene [91-20-3] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
n-Butyl Benzene [104-51-8] ^	1.4	U	ug/L	5	1.4	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
n-Propyl Benzene [103-65-1] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
o-Xylene [95-47-6] ^	1.2	U	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
sec-Butylbenzene [135-98-8] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Styrene [100-42-5] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
tert-Butylbenzene [98-06-6] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Tetrachloroethene [127-18-4] ^	**160**		ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Toluene [108-88-3] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	1.5	U	ug/L	5	1.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Trichloroethene [79-01-6] ^	**1.2**	I	ug/L	5	1.2	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Trichlorofluoromethane [75-69-4] ^	1.0	U	ug/L	5	1.0	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Vinyl chloride [75-01-4] ^	1.6	U	ug/L	5	1.6	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	
Xylenes (Total) [1330-20-7] ^	2.5	U	ug/L	5	2.5	5.0	1E26018	EPA 8260B	05/28/11 03:24	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*97 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/28/11 03:24*	*GMB*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/28/11 03:24*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/28/11 03:24*	*GMB*	

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Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 13:51	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 13:51	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*100*	*1*	*101*	*99.2 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 13:51*	*LAC*	

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Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.028**	I	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 23:02	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.053*	*1*	*0.0543*	*98 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 23:02*	*JSW*	

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Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0849**	IV	ug/L	1	0.0720	0.200	1E31012	EPA 7470A	06/02/11 13:22	LTS	J-01

Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**11.8**		ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Beryllium [7440-41-7] ^	**0.391**	I	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Chromium [7440-47-3] ^	**14.8**		ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Copper [7440-50-8] ^	**12.0**		ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Lead [7439-92-1] ^	**9.35**	I	ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Nickel [7440-02-0] ^	**9.59**	I	ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	
Zinc [7440-66-6] ^	**22.9**		ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 12:50	ACV	

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Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-7 | **Lab Sample ID:** B102269-07 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:59 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 01:36	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 01:36	JMA	

Description: MW-7
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-07
Sampled: 05/24/11 15:59
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.063**		mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 18:43	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0857*	*1*	*0.100*	*86 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 18:43*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,1,1-Trichloroethane [71-55-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,1,2-Trichloroethane [79-00-5] ^	20	U	ug/L	50	20	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,1-Dichloroethane [75-34-3] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,1-Dichloroethene [75-35-4] ^	**88**		ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,1-Dichloropropene [563-58-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	25	U	ug/L	50	25	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2,3-Trichloropropane [96-18-4] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	20	U	ug/L	50	20	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	30	U	ug/L	50	30	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2-Dibromoethane [106-93-4] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2-Dichlorobenzene [95-50-1] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2-Dichloroethane [107-06-2] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,2-Dichloropropane [78-87-5] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	13	U	ug/L	50	13	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,3-Dichlorobenzene [541-73-1] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,3-Dichloropropane [142-28-9] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
1,4-Dichlorobenzene [106-46-7] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
2,2-Dichloropropane [594-20-7] ^	20	U	ug/L	50	20	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
2-Butanone [78-93-3] ^	19	U	ug/L	50	19	250	1E31015	EPA 8260B	05/31/11 18:19	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	75	U	ug/L	50	75	250	1E31015	EPA 8260B	05/31/11 18:19	GMB	
2-Chlorotoluene [95-49-8] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
2-Hexanone [591-78-6] ^	25	U	ug/L	50	25	250	1E31015	EPA 8260B	05/31/11 18:19	GMB	
4-Chlorotoluene [106-43-4] ^	11	U	ug/L	50	11	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
4-Isopropyltoluene [99-87-6] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
4-Methyl-2-pentanone [108-10-1] ^	50	U	ug/L	50	50	250	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Acetone [67-64-1] ^	55	U	ug/L	50	55	250	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Benzene [71-43-2] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Bromobenzene [108-86-1] ^	13	U	ug/L	50	13	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Bromochloromethane [74-97-5] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Bromodichloromethane [75-27-4] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Bromoform [75-25-2] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Bromomethane [74-83-9] ^	32	U	ug/L	50	32	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Carbon disulfide [75-15-0] ^	12	U	ug/L	50	12	250	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Carbon tetrachloride [56-23-5] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Chlorobenzene [108-90-7] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Chloroethane [75-00-3] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Chloroform [67-66-3] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Chloromethane [74-87-3] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**78**		ug/L	50	11	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	18	U	ug/L	50	18	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Dibromochloromethane [124-48-1] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Dibromomethane [74-95-3] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Dichlorodifluoromethane [75-71-8] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Ethylbenzene [100-41-4] ^	13	U	ug/L	50	13	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Hexachlorobutadiene [87-68-3] ^	18	U	ug/L	50	18	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Isopropylbenzene [98-82-8] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	25	U	ug/L	50	25	100	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Methylene chloride [75-09-2] ^	31	U	ug/L	50	31	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	

Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Naphthalene [91-20-3] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
n-Butyl Benzene [104-51-8] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
n-Propyl Benzene [103-65-1] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
o-Xylene [95-47-6] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
sec-Butylbenzene [135-98-8] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Styrene [100-42-5] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
tert-Butylbenzene [98-06-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Tetrachloroethene [127-18-4] ^	**2700**		ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Toluene [108-88-3] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Trichloroethene [79-01-6] ^	**86**		ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Trichlorofluoromethane [75-69-4] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Vinyl chloride [75-01-4] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	
Xylenes (Total) [1330-20-7] ^	25	U	ug/L	50	25	50	1E31015	EPA 8260B	05/31/11 18:19	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E31015*	*EPA 8260B*	*05/31/11 18:19*	*GMB*	
Dibromofluoromethane	*54*	*1*	*50.0*	*109 %*	*73-134*	*1E31015*	*EPA 8260B*	*05/31/11 18:19*	*GMB*	
Toluene-d8	*57*	*1*	*50.0*	*114 %*	*66-138*	*1E31015*	*EPA 8260B*	*05/31/11 18:19*	*GMB*	

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Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 14:02	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 14:02	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*99*	*1*	*101*	*97.6 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 14:02*	*LAC*	

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Description: MW-8
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-08
Sampled: 05/24/11 14:40
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 23:26	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.055*	*1*	*0.0515*	*106 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 23:26*	*JSW*	

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Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.327**	IV	ug/L	1	0.216	0.600	1E31012	EPA 7470A	06/02/11 13:24	LTS	J-01

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Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**13.0**		ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Beryllium [7440-41-7] ^	**0.498**	I	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Cadmium [7440-43-9] ^	**1.05**		ug/L	1	0.370	1.00	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Chromium [7440-47-3] ^	**18.0**		ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Copper [7440-50-8] ^	**21.3**		ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Lead [7439-92-1] ^	**18.7**		ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Nickel [7440-02-0] ^	**20.9**		ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	
Zinc [7440-66-6] ^	**50.9**		ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 12:52	ACV	

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Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 01:43	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 01:43	JMA	

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Description: MW-8 | **Lab Sample ID:** B102269-08 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 14:40 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	1.04		mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 19:14	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0831*	*1*	*0.100*	*83 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 19:14*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,1,1-Trichloroethane [71-55-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,1,2-Trichloroethane [79-00-5] ^	20	U	ug/L	50	20	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,1-Dichloroethane [75-34-3] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,1-Dichloroethene [75-35-4] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,1-Dichloropropene [563-58-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	25	U	ug/L	50	25	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2,3-Trichloropropane [96-18-4] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	20	U	ug/L	50	20	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	30	U	ug/L	50	30	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2-Dibromoethane [106-93-4] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2-Dichlorobenzene [95-50-1] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2-Dichloroethane [107-06-2] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,2-Dichloropropane [78-87-5] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	13	U	ug/L	50	13	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,3-Dichlorobenzene [541-73-1] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,3-Dichloropropane [142-28-9] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
1,4-Dichlorobenzene [106-46-7] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
2,2-Dichloropropane [594-20-7] ^	20	U	ug/L	50	20	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
2-Butanone [78-93-3] ^	19	U	ug/L	50	19	250	1E31015	EPA 8260B	05/31/11 18:54	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	75	U	ug/L	50	75	250	1E31015	EPA 8260B	05/31/11 18:54	GMB	
2-Chlorotoluene [95-49-8] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
2-Hexanone [591-78-6] ^	25	U	ug/L	50	25	250	1E31015	EPA 8260B	05/31/11 18:54	GMB	
4-Chlorotoluene [106-43-4] ^	11	U	ug/L	50	11	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
4-Isopropyltoluene [99-87-6] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
4-Methyl-2-pentanone [108-10-1] ^	50	U	ug/L	50	50	250	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Acetone [67-64-1] ^	55	U	ug/L	50	55	250	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Benzene [71-43-2] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Bromobenzene [108-86-1] ^	13	U	ug/L	50	13	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Bromochloromethane [74-97-5] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Bromodichloromethane [75-27-4] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Bromoform [75-25-2] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Bromomethane [74-83-9] ^	32	U	ug/L	50	32	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Carbon disulfide [75-15-0] ^	12	U	ug/L	50	12	250	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Carbon tetrachloride [56-23-5] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Chlorobenzene [108-90-7] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Chloroethane [75-00-3] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Chloroform [67-66-3] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Chloromethane [74-87-3] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**68**		ug/L	50	11	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	18	U	ug/L	50	18	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Dibromochloromethane [124-48-1] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Dibromomethane [74-95-3] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Dichlorodifluoromethane [75-71-8] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Ethylbenzene [100-41-4] ^	13	U	ug/L	50	13	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Hexachlorobutadiene [87-68-3] ^	18	U	ug/L	50	18	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Isopropylbenzene [98-82-8] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	25	U	ug/L	50	25	100	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Methylene chloride [75-09-2] ^	31	U	ug/L	50	31	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	

Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Naphthalene [91-20-3] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
n-Butyl Benzene [104-51-8] ^	14	U	ug/L	50	14	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
n-Propyl Benzene [103-65-1] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
o-Xylene [95-47-6] ^	12	U	ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
sec-Butylbenzene [135-98-8] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Styrene [100-42-5] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
tert-Butylbenzene [98-06-6] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Tetrachloroethene [127-18-4] ^	**3300**		ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Toluene [108-88-3] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	15	U	ug/L	50	15	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Trichloroethene [79-01-6] ^	**84**		ug/L	50	12	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Trichlorofluoromethane [75-69-4] ^	10	U	ug/L	50	10	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Vinyl chloride [75-01-4] ^	16	U	ug/L	50	16	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	
Xylenes (Total) [1330-20-7] ^	25	U	ug/L	50	25	50	1E31015	EPA 8260B	05/31/11 18:54	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E31015*	*EPA 8260B*	*05/31/11 18:54*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*73-134*	*1E31015*	*EPA 8260B*	*05/31/11 18:54*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*117 %*	*66-138*	*1E31015*	*EPA 8260B*	*05/31/11 18:54*	*GMB*	

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Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 14:13	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 14:13	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*95*	*1*	*101*	*94.5 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 14:13*	*LAC*	

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Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.035**	I	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/25/11 23:49	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.055*	*1*	*0.0510*	*108 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/25/11 23:49*	*JSW*	

Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.346**	IV	ug/L	1	0.216	0.600	1E31012	EPA 7470A	06/02/11 13:25	LTS	J-01

Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**10.7**		ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Beryllium [7440-41-7] ^	**0.398**	I	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Cadmium [7440-43-9] ^	**0.518**	I	ug/L	1	0.370	1.00	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Chromium [7440-47-3] ^	**13.4**		ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Copper [7440-50-8] ^	**15.7**		ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Lead [7439-92-1] ^	**14.4**		ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Nickel [7440-02-0] ^	**16.3**		ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	
Zinc [7440-66-6] ^	**40.0**		ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 12:54	ACV	

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Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 01:50	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 01:50	JMA	

Description: MW-8D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-09
Sampled: 05/24/11 15:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.982**		mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 20:16	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0818*	*1*	*0.100*	*82 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 20:16*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	

Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E31015	EPA 8260B	05/31/11 16:35	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*62-132*	*1E31015*	*EPA 8260B*	*05/31/11 16:35*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*109 %*	*73-134*	*1E31015*	*EPA 8260B*	*05/31/11 16:35*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E31015*	*EPA 8260B*	*05/31/11 16:35*	*GMB*	

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Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 14:23	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 14:23	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*100*	*1*	*101*	*98.7 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 14:23*	*LAC*	

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Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/26/11 00:13	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.052*	*1*	*0.0515*	*100 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/26/11 00:13*	*JSW*	

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Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.133**	IV	ug/L	1	0.108	0.300	1E31012	EPA 7470A	06/02/11 13:27	LTS	J-01

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Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Beryllium [7440-41-7] ^	**0.220**	I	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Cadmium [7440-43-9] ^	**0.384**	I	ug/L	1	0.370	1.00	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Chromium [7440-47-3] ^	**2.10**	I	ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Copper [7440-50-8] ^	**8.45**	I	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Lead [7439-92-1] ^	**7.22**	I	ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Nickel [7440-02-0] ^	**11.4**		ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	
Zinc [7440-66-6] ^	**11.0**		ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 13:00	ACV	

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Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

www.encolabs.com

Description: MW-12
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-10
Sampled: 05/24/11 15:32
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 02:00	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 02:00	JMA	

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Description: MW-12 | **Lab Sample ID:** B102269-10 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 15:32 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.023**	I	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 20:48	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0823*	*1*	*0.100*	*82 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 20:48*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-13 | **Lab Sample ID:** B102269-11 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 16:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**0.58**	I	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,1-Dichloroethene [75-35-4] ^	**150**		ug/L	5	1.0	5.0	1E31015	EPA 8260B	06/01/11 10:58	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Acetone [67-64-1] ^	**7.4**		ug/L	1	1.1	5.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Chloroform [67-66-3] ^	**2.3**		ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**22**		ug/L	1	0.22	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	

Description: MW-13 | **Lab Sample ID:** B102269-11 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 16:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Tetrachloroethene [127-18-4] ^	**67**		ug/L	1	0.21	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Trichloroethene [79-01-6] ^	**4.4**		ug/L	1	0.24	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E31015	EPA 8260B	05/31/11 17:10	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*62-132*	*1E31015*	*EPA 8260B*	*05/31/11 17:10*	*GMB*	
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*62-132*	*1E31015*	*EPA 8260B*	*06/01/11 10:58*	*GMB*	
Dibromofluoromethane	*56*	*1*	*50.0*	*112 %*	*73-134*	*1E31015*	*EPA 8260B*	*05/31/11 17:10*	*GMB*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*73-134*	*1E31015*	*EPA 8260B*	*06/01/11 10:58*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*115 %*	*66-138*	*1E31015*	*EPA 8260B*	*05/31/11 17:10*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E31015*	*EPA 8260B*	*06/01/11 10:58*	*GMB*	

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Description: MW-13 | **Lab Sample ID:** B102269-11 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 16:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 14:45	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 14:45	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*98*	*1*	*101*	*97.2 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 14:45*	*LAC*	

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Description: MW-13 | **Lab Sample ID:** B102269-11 | **Received:** 05/25/11 10:15
Matrix: Ground Water | **Sampled:** 05/24/11 16:00 | **Work Order:** B102269
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.092**	I	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/26/11 00:36	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.055*	*1*	*0.0532*	*103 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/26/11 00:36*	*JSW*	

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Description: MW-13
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-11
Sampled: 05/24/11 16:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0837**	IV	ug/L	1	0.0720	0.200	1E31012	EPA 7470A	06/02/11 13:29	LTS	J-01

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Description: MW-13 | **Lab Sample ID:** B102269-11 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 16:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Beryllium [7440-41-7] ^	**0.110**	I	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Cadmium [7440-43-9] ^	*0.370*	U	*ug/L*	1	*0.370*	*1.00*	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Chromium [7440-47-3] ^	**1.52**	I	ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Nickel [7440-02-0] ^	**2.50**	I	ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	
Zinc [7440-66-6] ^	**4.78**	I	ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 13:02	ACV	

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Description: MW-13
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-11
Sampled: 05/24/11 16:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 13:05	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: MW-13 | **Lab Sample ID:** B102269-11 | **Received:** 05/25/11 10:15

Matrix: Ground Water | **Sampled:** 05/24/11 16:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 02:07	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 02:07	JMA	

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Description: MW-13
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-11
Sampled: 05/24/11 16:00
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.035**	I	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 21:19	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0840*	*1*	*0.100*	*84 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 21:19*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 20:28	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 20:28*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 20:28*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*117 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 20:28*	*GMB*	

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31002	EPA 8015C	05/31/11 14:56	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31002	EPA 8015C	05/31/11 14:56	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*100*	*1*	*101*	*98.5 %*	*50-150*	*1E31002*	*EPA 8015C*	*05/31/11 14:56*	*LAC*	

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E25012	EPA 8015C	05/26/11 01:00	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.054*	*1*	*0.0521*	*104 %*	*63-139*	*1E25012*	*EPA 8015C*	*05/26/11 01:00*	*JSW*	

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0851**	IV	ug/L	1	0.0720	0.200	1E31012	EPA 7470A	06/02/11 13:30	LTS	J-01

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Nickel [7440-02-0] ^	1.10	U	ug/L	1	1.10	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	
Zinc [7440-66-6] ^	3.50	U	ug/L	1	3.50	10.0	1E27012	EPA 6010C	05/31/11 13:04	ACV	

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E25010	SM18 3500 Cr-D	05/25/11 10:35	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26006	EPA 1664A	05/31/11 09:08	MJF	

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Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E26014	EPA 6020A	05/28/11 02:14	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E26014	EPA 6020A	05/28/11 02:14	JMA	

Description: BAILER BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102269-12
Sampled: 05/24/11 10:51
Sampled By: Danny Hefner

Received: 05/25/11 10:15
Work Order: B102269

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.011	U	mg/L	1	0.011	0.055	1E31012	EPA 8015C	05/31/11 21:50	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0761*	*1*	*0.100*	*76 %*	*70-130*	*1E31012*	*EPA 8015C*	*05/31/11 21:50*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 1 | **Lab Sample ID:** B102269-13 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	

Description: TRIP BLANK 1 | **Lab Sample ID:** B102269-13 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 21:03	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 21:03*	*GMB*	
Dibromofluoromethane	*52*	*1*	*50.0*	*105 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 21:03*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 21:03*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 2 | **Lab Sample ID:** B102269-14 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	

Description: TRIP BLANK 2 | **Lab Sample ID:** B102269-14 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 21:37	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 21:37*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 21:37*	*GMB*	
Toluene-d8	*59*	*1*	*50.0*	*118 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 21:37*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 3 | **Lab Sample ID:** B102269-15 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	

Description: TRIP BLANK 3 | **Lab Sample ID:** B102269-15 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 22:12	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*99 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 22:12*	*GMB*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 22:12*	*GMB*	
Toluene-d8	*57*	*1*	*50.0*	*114 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 22:12*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 4 | **Lab Sample ID:** B102269-16 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	

Description: TRIP BLANK 4
Matrix: Water
Project: Cooper Tools

Lab Sample ID: B102269-16
Sampled: 05/24/11 00:00
Sampled By: Lab

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 22:47	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 22:47*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 22:47*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 22:47*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 5 | **Lab Sample ID:** B102269-17 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	

Description: TRIP BLANK 5
Matrix: Water
Project: Cooper Tools

Lab Sample ID: B102269-17
Sampled: 05/24/11 00:00
Sampled By: Lab

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 23:21	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 23:21*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 23:21*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 23:21*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 6 | **Lab Sample ID:** B102269-18 | **Received:** 05/25/11 10:15

Matrix: Water | **Sampled:** 05/24/11 00:00 | **Work Order:** B102269

Project: Cooper Tools | **Sampled By:** Lab

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	

Description: TRIP BLANK 6
Matrix: Water
Project: Cooper Tools

Lab Sample ID: B102269-18
Sampled: 05/24/11 00:00
Sampled By: Lab

Received: 05/25/11 10:15
Work Order: B102269

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1E26018	EPA 8260B	05/27/11 23:56	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1E26018*	*EPA 8260B*	*05/27/11 23:56*	*GMB*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*73-134*	*1E26018*	*EPA 8260B*	*05/27/11 23:56*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1E26018*	*EPA 8260B*	*05/27/11 23:56*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Gasoline Range Organics by GC - Quality Control

Batch 1E31012 - EPA 5030B

Blank (1E31012-BLK1) Prepared: 05/31/2011 10:38 Analyzed: 05/31/2011 13:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.011	U	0.055	mg/L							
Surrogate: 2,5-Dibromotoluene	*0.0901*			*mg/L*	*0.100*		*90*	*70-130*			

LCS (1E31012-BS1) Prepared: 05/31/2011 10:38 Analyzed: 05/31/2011 14:26

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.549		0.055	mg/L	0.500		110	58-152			
Surrogate: 2,5-Dibromotoluene	*0.0925*			*mg/L*	*0.100*		*92*	*70-130*			

Matrix Spike (1E31012-MS1) Prepared: 05/31/2011 10:38 Analyzed: 05/31/2011 22:21

Source: B102269-12

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.492		0.055	mg/L	0.500	0.011 U	98	20-185			
Surrogate: 2,5-Dibromotoluene	*0.0811*			*mg/L*	*0.100*		*81*	*70-130*			

Matrix Spike Dup (1E31012-MSD1) Prepared: 05/31/2011 10:38 Analyzed: 05/31/2011 22:53

Source: B102269-12

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.554		0.055	mg/L	0.500	0.011 U	111	20-185	12	26	
Surrogate: 2,5-Dibromotoluene	*0.0782*			*mg/L*	*0.100*		*78*	*70-130*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E26018 - EPA 5030B_MS

Blank (1E26018-BLK1) Prepared: 05/26/2011 18:38 Analyzed: 05/27/2011 06:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.20	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.32	U	1.0	ug/L							
1,1,2-Trichloroethane	0.40	U	1.0	ug/L							
1,1-Dichloroethane	0.30	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.50	U	1.0	ug/L							
1,2,3-Trichloropropane	0.30	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.41	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.28	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.60	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
1,2-Dichlorobenzene	0.24	U	1.0	ug/L							
1,2-Dichloroethane	0.28	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E26018 - EPA 5030B_MS

Blank (1E26018-BLK1) Continued Prepared: 05/26/2011 18:38 Analyzed: 05/27/2011 06:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	0.30	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.26	U	1.0	ug/L							
1,3-Dichlorobenzene	0.27	U	1.0	ug/L							
1,3-Dichloropropane	0.25	U	1.0	ug/L							
1,4-Dichlorobenzene	0.23	U	1.0	ug/L							
2,2-Dichloropropane	0.40	U	1.0	ug/L							
2-Butanone	0.38	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.5	U	5.0	ug/L							
2-Chlorotoluene	0.33	U	1.0	ug/L							
2-Hexanone	0.50	U	5.0	ug/L							
4-Chlorotoluene	0.22	U	1.0	ug/L							
4-Isopropyltoluene	0.29	U	1.0	ug/L							
4-Methyl-2-pentanone	1.0	U	5.0	ug/L							
Acetone	**13**		5.0	ug/L							O-01
Benzene	0.27	U	1.0	ug/L							
Bromobenzene	0.26	U	1.0	ug/L							
Bromochloromethane	0.28	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
Bromoform	0.33	U	1.0	ug/L							
Bromomethane	0.64	U	1.0	ug/L							
Carbon disulfide	**0.49**	**I**	5.0	ug/L							
Carbon tetrachloride	0.20	U	1.0	ug/L							
Chlorobenzene	0.24	U	1.0	ug/L							
Chloroethane	0.31	U	1.0	ug/L							
Chloroform	0.21	U	1.0	ug/L							
Chloromethane	0.31	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.22	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.35	U	1.0	ug/L							
Dibromochloromethane	0.27	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.26	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.20	U	1.0	ug/L							
m,p-Xylenes	0.50	U	2.0	ug/L							
Methylene chloride	**3.0**		1.0	ug/L							O-01
Methyl-tert-Butyl Ether	0.24	U	1.0	ug/L							
Naphthalene	0.30	U	1.0	ug/L							
n-Butyl Benzene	0.28	U	1.0	ug/L							
n-Propyl Benzene	0.20	U	1.0	ug/L							
o-Xylene	0.25	U	1.0	ug/L							
sec-Butylbenzene	0.20	U	1.0	ug/L							
Styrene	0.32	U	1.0	ug/L							
tert-Butylbenzene	0.21	U	1.0	ug/L							
Tetrachloroethene	0.21	U	1.0	ug/L							
Toluene	0.30	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.30	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.33	U	1.0	ug/L							
Trichloroethene	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E26018 - EPA 5030B_MS

Blank (1E26018-BLK1) Continued Prepared: 05/26/2011 18:38 Analyzed: 05/27/2011 06:03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichlorofluoromethane	0.20	U	1.0	ug/L							
Vinyl chloride	0.33	U	1.0	ug/L							
Xylenes (Total)	0.50	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*62-132*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*107*	*73-134*			
Surrogate: Toluene-d8	*57*			*ug/L*	*50.0*		*114*	*66-138*			

LCS (1E26018-BS1) Prepared: 05/26/2011 18:38 Analyzed: 05/27/2011 06:37

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0		137	51-145			
Benzene	23		1.0	ug/L	20.0		114	76-120			
Chlorobenzene	21		1.0	ug/L	20.0		104	80-124			
Toluene	19		1.0	ug/L	20.0		97	78-120			
Trichloroethene	23		1.0	ug/L	20.0		113	80-120			
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*62-132*			
Surrogate: Dibromofluoromethane	*53*			*ug/L*	*50.0*		*106*	*73-134*			
Surrogate: Toluene-d8	*57*			*ug/L*	*50.0*		*114*	*66-138*			

Matrix Spike (1E26018-MS1) Prepared: 05/26/2011 18:38 Analyzed: 05/27/2011 07:12

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	110		1.0	ug/L	20.0	100	40	51-145			
Benzene	23		1.0	ug/L	20.0	0.27 U	115	76-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.24 U	102	80-124			
Toluene	19		1.0	ug/L	20.0	0.30 U	96	78-120			
Trichloroethene	23		1.0	ug/L	20.0	1.0	109	80-120			
Surrogate: 4-Bromofluorobenzene	*520*			*ug/L*	*500*		*104*	*62-132*			
Surrogate: Dibromofluoromethane	*520*			*ug/L*	*500*		*103*	*73-134*			
Surrogate: Toluene-d8	*570*			*ug/L*	*500*		*114*	*66-138*			

Matrix Spike Dup (1E26018-MSD1) Prepared: 05/26/2011 18:38 Analyzed: 05/27/2011 07:47

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	120		1.0	ug/L	20.0	100	68	51-145	5	16	
Benzene	23		1.0	ug/L	20.0	0.27 U	113	76-120	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.24 U	101	80-124	1	19	
Toluene	19		1.0	ug/L	20.0	0.30 U	94	78-120	2	24	
Trichloroethene	23		1.0	ug/L	20.0	1.0	108	80-120	1	18	
Surrogate: 4-Bromofluorobenzene	*530*			*ug/L*	*500*		*106*	*62-132*			
Surrogate: Dibromofluoromethane	*550*			*ug/L*	*500*		*110*	*73-134*			
Surrogate: Toluene-d8	*570*			*ug/L*	*500*		*113*	*66-138*			

Batch 1E31015 - EPA 5030B_MS

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Blank (1E31015-BLK1) Prepared: 05/31/2011 11:25 Analyzed: 05/31/2011 11:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.20	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.32	U	1.0	ug/L							
1,1,2-Trichloroethane	0.40	U	1.0	ug/L							
1,1-Dichloroethane	0.30	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.50	U	1.0	ug/L							
1,2,3-Trichloropropane	0.30	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.41	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.28	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.60	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
1,2-Dichlorobenzene	0.24	U	1.0	ug/L							
1,2-Dichloroethane	0.28	U	1.0	ug/L							
1,2-Dichloropropane	0.30	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.26	U	1.0	ug/L							
1,3-Dichlorobenzene	0.27	U	1.0	ug/L							
1,3-Dichloropropane	0.25	U	1.0	ug/L							
1,4-Dichlorobenzene	0.23	U	1.0	ug/L							
2,2-Dichloropropane	0.40	U	1.0	ug/L							
2-Butanone	0.38	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.5	U	5.0	ug/L							
2-Chlorotoluene	0.33	U	1.0	ug/L							
2-Hexanone	0.50	U	5.0	ug/L							
4-Chlorotoluene	0.22	U	1.0	ug/L							
4-Isopropyltoluene	0.29	U	1.0	ug/L							
4-Methyl-2-pentanone	1.0	U	5.0	ug/L							
Acetone	1.1	U	5.0	ug/L							
Benzene	0.27	U	1.0	ug/L							
Bromobenzene	0.26	U	1.0	ug/L							
Bromochloromethane	0.28	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
Bromoform	0.33	U	1.0	ug/L							
Bromomethane	0.64	U	1.0	ug/L							
Carbon disulfide	0.24	U	5.0	ug/L							
Carbon tetrachloride	0.20	U	1.0	ug/L							
Chlorobenzene	0.24	U	1.0	ug/L							
Chloroethane	0.31	U	1.0	ug/L							
Chloroform	0.21	U	1.0	ug/L							
Chloromethane	0.31	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.22	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.35	U	1.0	ug/L							
Dibromochloromethane	0.27	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.26	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.20	U	1.0	ug/L							
m,p-Xylenes	0.50	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E31015 - EPA 5030B_MS

Blank (1E31015-BLK1) Continued Prepared: 05/31/2011 11:25 Analyzed: 05/31/2011 11:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.62	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.24	U	1.0	ug/L							
Naphthalene	0.30	U	1.0	ug/L							
n-Butyl Benzene	0.28	U	1.0	ug/L							
n-Propyl Benzene	0.20	U	1.0	ug/L							
o-Xylene	0.25	U	1.0	ug/L							
sec-Butylbenzene	0.20	U	1.0	ug/L							
Styrene	0.32	U	1.0	ug/L							
tert-Butylbenzene	0.21	U	1.0	ug/L							
Tetrachloroethene	0.21	U	1.0	ug/L							
Toluene	0.30	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.30	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.33	U	1.0	ug/L							
Trichloroethene	0.24	U	1.0	ug/L							
Trichlorofluoromethane	0.20	U	1.0	ug/L							
Vinyl chloride	0.33	U	1.0	ug/L							
Xylenes (Total)	0.50	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*62-132*			
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*109*	*73-134*			
Surrogate: Toluene-d8	*58*			*ug/L*	*50.0*		*116*	*66-138*			

LCS (1E31015-BS1) Prepared: 05/31/2011 11:25 Analyzed: 05/31/2011 13:41

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0		132	51-145			
Benzene	24		1.0	ug/L	20.0		119	76-120			
Chlorobenzene	20		1.0	ug/L	20.0		101	80-124			
Toluene	19		1.0	ug/L	20.0		97	78-120			
Trichloroethene	23		1.0	ug/L	20.0		116	80-120			
Surrogate: 4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*105*	*62-132*			
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*107*	*73-134*			
Surrogate: Toluene-d8	*58*			*ug/L*	*50.0*		*117*	*66-138*			

Matrix Spike (1E31015-MS1) Prepared: 05/31/2011 11:25 Analyzed: 05/31/2011 14:16

Source: B102448-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.21 U	137	51-145			
Benzene	24		1.0	ug/L	20.0	0.27 U	119	76-120			
Chlorobenzene	21		1.0	ug/L	20.0	0.24 U	106	80-124			
Toluene	20		1.0	ug/L	20.0	0.30 U	99	78-120			
Trichloroethene	24		1.0	ug/L	20.0	0.24 U	118	80-120			
Surrogate: 4-Bromofluorobenzene	*520*			*ug/L*	*500*		*105*	*62-132*			
Surrogate: Dibromofluoromethane	*570*			*ug/L*	*500*		*114*	*73-134*			
Surrogate: Toluene-d8	*580*			*ug/L*	*500*		*115*	*66-138*			

Matrix Spike Dup (1E31015-MSD1) Prepared: 05/31/2011 11:25 Analyzed: 05/31/2011 14:51

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E31015 - EPA 5030B_MS

Matrix Spike Dup (1E31015-MSD1) Continued Prepared: 05/31/2011 11:25 Analyzed: 05/31/2011 14:51

Source: B102448-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.21 U	137	51-145	0.07	16	
Benzene	24		1.0	ug/L	20.0	0.27 U	122	76-120	2	17	QM-07
Chlorobenzene	21		1.0	ug/L	20.0	0.24 U	106	80-124	0.4	19	
Toluene	20		1.0	ug/L	20.0	0.30 U	99	78-120	0.5	24	
Trichloroethene	24		1.0	ug/L	20.0	0.24 U	119	80-120	1	18	
Surrogate: 4-Bromofluorobenzene	*520*			*ug/L*	*500*		*105*	*62-132*			
Surrogate: Dibromofluoromethane	*580*			*ug/L*	*500*		*115*	*73-134*			
Surrogate: Toluene-d8	*580*			*ug/L*	*500*		*116*	*66-138*			

Non-Halogenated Volatile Organics by GC - Quality Control

Batch 1E31002 - NO PREP ANALYTIX

Blank (1E31002-BLK1) Prepared: 05/31/2011 10:00 Analyzed: 05/31/2011 12:01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	4.1	U	10	mg/L							
Propylene Glycol	1.8	U	10	mg/L							
Surrogate: 1,3-Butylene Glycol	*100*			*mg/L*	*101*		*101*	*50-150*			

LCS (1E31002-BS1) Prepared: 05/31/2011 10:00 Analyzed: 05/31/2011 12:12

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	99		10	mg/L	100		98.6	70-130			
Propylene Glycol	97		10	mg/L	99.5		97.5	70-130			
Surrogate: 1,3-Butylene Glycol	*100*			*mg/L*	*101*		*99.3*	*50-150*			

Matrix Spike (1E31002-MS1) Prepared: 05/31/2011 10:00 Analyzed: 05/31/2011 12:23

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	95		10	mg/L	100	4.1 U	94.8	70-130			
Propylene Glycol	95		10	mg/L	99.5	1.8 U	95.8	70-130			
Surrogate: 1,3-Butylene Glycol	*98*			*mg/L*	*101*		*96.8*	*50-150*			

Matrix Spike Dup (1E31002-MSD1) Prepared: 05/31/2011 10:00 Analyzed: 05/31/2011 12:34

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	98		10	mg/L	100	4.1 U	97.7	70-130	3.02	25	
Propylene Glycol	97		10	mg/L	99.5	1.8 U	97.1	70-130	1.41	25	
Surrogate: 1,3-Butylene Glycol	*99*			*mg/L*	*101*		*97.9*	*50-150*			

Diesel Range Organics by GC - Quality Control

QUALITY CONTROL

Diesel Range Organics by GC - Quality Control

Batch 1E25012 - EPA 3510C

Blank (1E25012-BLK1) Prepared: 05/25/2011 13:00 Analyzed: 05/25/2011 18:42

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	0.024	U	0.10	mg/L							
Surrogate: o-Terphenyl	*0.051*			*mg/L*	*0.0500*		*103*	*63-139*			

LCS (1E25012-BS1) Prepared: 05/25/2011 13:00 Analyzed: 05/25/2011 19:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	1.1		0.10	mg/L	1.00		109	44-133			
Surrogate: o-Terphenyl	*0.049*			*mg/L*	*0.0500*		*97*	*63-139*			

Matrix Spike (1E25012-MS1) Prepared: 05/25/2011 13:00 Analyzed: 05/25/2011 19:30

Source: B102487-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	0.75		0.10	mg/L	1.00	0.024 U	75	44-133			
Surrogate: o-Terphenyl	*0.048*			*mg/L*	*0.0500*		*96*	*63-139*			

Matrix Spike Dup (1E25012-MSD1) Prepared: 05/25/2011 13:00 Analyzed: 05/25/2011 19:53

Source: B102487-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	1.0		0.10	mg/L	1.00	0.024 U	100	44-133	29	30	
Surrogate: o-Terphenyl	*0.050*			*mg/L*	*0.0500*		*100*	*63-139*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1E31012 - EPA 7470A

Blank (1E31012-BLK1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 12:46

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	**0.0853**	**I**	0.200	ug/L							

LCS (1E31012-BS1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.18		0.200	ug/L	5.00		104	85-115			

Matrix Spike (1E31012-MS1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:04

Source: B102577-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	54.8		2.00	ug/L	50.0	0.918	108	85-115			

Matrix Spike Dup (1E31012-MSD1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:06

Source: B102577-01

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1E31012 - EPA 7470A

Matrix Spike Dup (1E31012-MSD1) Continued Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:06

Source: B102577-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	56.2		2.00	ug/L	50.0	0.918	110	85-115	2	25	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27012 - EPA 3005A

Blank (1E27012-BLK1) Prepared: 05/27/2011 09:42 Analyzed: 05/31/2011 12:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	6.70	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.370	U	1.00	ug/L							
Chromium	1.30	U	10.0	ug/L							
Copper	1.50	U	10.0	ug/L							
Lead	2.90	U	10.0	ug/L							
Nickel	1.10	U	10.0	ug/L							
Selenium	8.90	U	10.0	ug/L							
Silver	1.50	U	10.0	ug/L							
Zinc	3.50	U	10.0	ug/L							

LCS (1E27012-BS1) Prepared: 05/27/2011 09:42 Analyzed: 05/31/2011 12:38

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	476		10.0	ug/L	500		95	85-115			
Beryllium	49.6		1.00	ug/L	50.0		99	85-115			
Cadmium	51.2		1.00	ug/L	50.0		102	85-115			
Chromium	495		10.0	ug/L	500		99	85-115			
Copper	499		10.0	ug/L	500		100	85-115			
Lead	493		10.0	ug/L	500		99	85-115			
Nickel	486		10.0	ug/L	500		97	85-115			
Selenium	483		10.0	ug/L	500		97	85-115			
Silver	98.1		10.0	ug/L	100		98	85-115			
Zinc	481		10.0	ug/L	500		96	85-115			

Matrix Spike (1E27012-MS1) Prepared: 05/27/2011 09:42 Analyzed: 05/31/2011 12:40

Source: B102532-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	475		10.0	ug/L	500	12.2	92	80-120			
Beryllium	48.8		1.00	ug/L	50.0	0.137	97	80-120			
Cadmium	50.1		1.00	ug/L	50.0	0.384	99	80-120			
Chromium	484		10.0	ug/L	500	1.30 U	97	80-120			
Copper	482		10.0	ug/L	500	1.50 U	96	80-120			
Lead	481		10.0	ug/L	500	2.90 U	96	80-120			
Nickel	480		10.0	ug/L	500	3.68	95	80-120			
Selenium	449		10.0	ug/L	500	8.90 U	90	80-120			
Silver	97.3		10.0	ug/L	100	1.50 U	97	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27012 - EPA 3005A

Matrix Spike (1E27012-MS1) Continued Prepared: 05/27/2011 09:42 Analyzed: 05/31/2011 12:40

Source: B102532-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	482		10.0	ug/L	500	15.6	93	80-120			

Matrix Spike Dup (1E27012-MSD1) Prepared: 05/27/2011 09:42 Analyzed: 05/31/2011 12:42

Source: B102532-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	503		10.0	ug/L	500	12.2	98	80-120	6	30	
Beryllium	51.1		1.00	ug/L	50.0	0.137	102	80-120	5	30	
Cadmium	53.2		1.00	ug/L	50.0	0.384	106	80-120	6	30	
Chromium	507		10.0	ug/L	500	1.30 U	101	80-120	5	30	
Copper	507		10.0	ug/L	500	1.50 U	101	80-120	5	30	
Lead	508		10.0	ug/L	500	2.90 U	102	80-120	6	30	
Nickel	501		10.0	ug/L	500	3.68	99	80-120	4	30	
Selenium	478		10.0	ug/L	500	8.90 U	96	80-120	6	30	
Silver	102		10.0	ug/L	100	1.50 U	102	80-120	4	30	
Zinc	510		10.0	ug/L	500	15.6	99	80-120	6	30	

Batch 1E27013 - EPA 3005A

Blank (1E27013-BLK1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	6.70	U	10.0	ug/L							
Cadmium	0.370	U	1.00	ug/L							
Chromium	1.30	U	10.0	ug/L							
Copper	1.50	U	10.0	ug/L							
Nickel	1.10	U	10.0	ug/L							
Selenium	8.90	U	10.0	ug/L							
Silver	1.50	U	10.0	ug/L							

Blank (1E27013-BLK2) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 13:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	0.100	U	1.00	ug/L							
Lead	2.90	U	10.0	ug/L							
Zinc	3.50	U	10.0	ug/L							

LCS (1E27013-BS1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	473		10.0	ug/L	500		95	85-115			
Beryllium	49.2		1.00	ug/L	50.0		98	85-115			
Cadmium	50.4		1.00	ug/L	50.0		101	85-115			
Chromium	489		10.0	ug/L	500		98	85-115			
Copper	494		10.0	ug/L	500		99	85-115			
Lead	489		10.0	ug/L	500		98	85-115			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27013 - EPA 3005A

LCS (1E27013-BS1) Continued Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nickel	479		10.0	ug/L	500		96	85-115			
Selenium	475		10.0	ug/L	500		95	85-115			
Silver	102		10.0	ug/L	100		102	85-115			
Zinc	480		10.0	ug/L	500		96	85-115			

Matrix Spike (1E27013-MS1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:32

Source: B102556-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	476		10.0	ug/L	500	6.70 U	95	80-120			
Beryllium	49.4		1.00	ug/L	50.0	0.137	98	80-120			
Cadmium	50.0		1.00	ug/L	50.0	0.370 U	100	80-120			
Chromium	489		10.0	ug/L	500	1.30 U	98	80-120			
Copper	495		10.0	ug/L	500	1.50 U	99	80-120			
Lead	485		10.0	ug/L	500	2.90 U	97	80-120			
Nickel	479		10.0	ug/L	500	1.10 U	96	80-120			
Selenium	474		10.0	ug/L	500	8.90 U	95	80-120			
Silver	99.8		10.0	ug/L	100	1.50 U	100	80-120			
Zinc	480		10.0	ug/L	500	3.50 U	96	80-120			

Matrix Spike Dup (1E27013-MSD1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:34

Source: B102556-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	478		10.0	ug/L	500	6.70 U	96	80-120	0.5	30	
Beryllium	49.9		1.00	ug/L	50.0	0.137	100	80-120	1	30	
Cadmium	50.4		1.00	ug/L	50.0	0.370 U	101	80-120	0.8	30	
Chromium	494		10.0	ug/L	500	1.30 U	99	80-120	1	30	
Copper	501		10.0	ug/L	500	1.50 U	100	80-120	1	30	
Lead	490		10.0	ug/L	500	2.90 U	98	80-120	1	30	
Nickel	481		10.0	ug/L	500	1.10 U	96	80-120	0.4	30	
Selenium	473		10.0	ug/L	500	8.90 U	95	80-120	0.3	30	
Silver	101		10.0	ug/L	100	1.50 U	101	80-120	2	30	
Zinc	486		10.0	ug/L	500	3.50 U	97	80-120	1	30	

Classical Chemistry Parameters - Quality Control

Batch 1E25010 - Same

Blank (1E25010-BLK1) Prepared: 05/25/2011 12:05 Analyzed: 05/25/2011 13:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.004	U	0.030	mg/L							

LCS (1E25010-BS1) Prepared: 05/25/2011 12:05 Analyzed: 05/25/2011 13:05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.26		0.030	mg/L	0.250		104	80-125			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1E25010 - Same

Matrix Spike (1E25010-MS1) Prepared: 05/25/2011 12:05 Analyzed: 05/25/2011 13:05

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.24		0.030	mg/L	0.250	0.004 U	97	80-120			

Matrix Spike Dup (1E25010-MSD1) Prepared: 05/25/2011 12:05 Analyzed: 05/25/2011 13:05

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.24		0.030	mg/L	0.250	0.004 U	97	80-120	0.2	25	

Batch 1E26006 - EPA 1664A

Blank (1E26006-BLK1) Prepared: 05/26/2011 11:27 Analyzed: 05/31/2011 09:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	3.00	U	5.00	mg/L							

LCS (1E26006-BS1) Prepared: 05/26/2011 11:27 Analyzed: 05/31/2011 09:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	36.9		5.00	mg/L	41.1		90	78-114			

Matrix Spike (1E26006-MS1) Prepared: 05/26/2011 11:27 Analyzed: 05/31/2011 09:08

Source: B102487-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	39.2		5.00	mg/L	41.0	3.00 U	96	78-114			

Matrix Spike Dup (1E26006-MSD1) Prepared: 05/26/2011 11:27 Analyzed: 05/31/2011 09:08

Source: B102487-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	38.4		5.00	mg/L	40.7	3.00 U	94	78-114	2	18	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E26014 - EPA 3005A

Blank (1E26014-BLK1) Prepared: 05/26/2011 10:21 Analyzed: 05/27/2011 23:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.950	U	20.0	ug/L							
Thallium	0.410	U	1.00	ug/L							

LCS (1E26014-BS1) Prepared: 05/26/2011 10:21 Analyzed: 05/27/2011 23:23

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E26014 - EPA 3005A

LCS (1E26014-BS1) Continued Prepared: 05/26/2011 10:21 Analyzed: 05/27/2011 23:23

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	50.5		20.0	ug/L	50.0		101	80-120			
Thallium	51.9		1.00	ug/L	50.0		104	80-120			

Matrix Spike (1E26014-MS1) Prepared: 05/26/2011 10:21 Analyzed: 05/27/2011 23:39

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	48.9		20.0	ug/L	50.0	0.950 U	98	80-120			
Thallium	51.9		1.00	ug/L	50.0	0.410 U	104	80-120			

Matrix Spike Dup (1E26014-MSD1) Prepared: 05/26/2011 10:21 Analyzed: 05/27/2011 23:48

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	50.3		20.0	ug/L	50.0	0.950 U	101	80-120	3	20	
Thallium	51.6		1.00	ug/L	50.0	0.410 U	103	80-120	0.6	20	

Post Spike (1E26014-PS1) Prepared: 05/27/2011 12:00 Analyzed: 05/27/2011 23:56

Source: B102269-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	5.09		2.00	ug/L	4.90	0.0330	103	75-125			
Thallium	5.11		0.100	ug/L	4.90	0.00569	104	75-125			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
FILT	The sample was filtered prior to analysis.
J-01	Result is estimated due to positive results in the associated method blank.
O-01	This compound is a common laboratory contaminant.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES
10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

CHAIN-OF-CUSTODY RECORD

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Page ___ of ___

Company: Shield Engineering, Inc. (SH007)	Project: none
Address: 4301 Taggart Creek Road	Project Name: Cooper Tools
City: Charlotte, NC 28208	PO # / Billing Info
Tel: (704) 971-4149 (704) 394-6968	Report To: Mr. Dave Wallace
Sampler(s) Name, Affiliation (Print): DANNY HEFNER, CHRIS NAGY / SHIELD	Billing Contact: Mr. Dave Wallace
Sampler(s) Signature:	Site Location / Time Zone

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: B102269

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8015 DAI	8260B	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn	CrVI	DRO 8015C	GRO 8015C	Hg	O&G 1664A	Solids, Dry Weight	Sample Comments
	MW-1	5-24-11	13:50	GRAB	GW	14	X	X	X	X	X	X	X	X		
	MW-2		14:14		GW	14	X	X	X	X	X	X	X	X		
	MW-3		13:59		GW	14	X	X	X	X	X	X	X	X		
	MW-4		14:29		GW	14	X	X	X	X	X	X	X	X		
	MW-5		14:55		GW	14	X	X	X	X	X	X	X	X		
	MW-6		15:29		GW	14	X	X	X	X	X	X	X	X		
	MW-7		15:59		GW	14	X	X	X	X	X	X	X	X		
	MW-8		14:40		GW	14	X	X	X	X	X	X	X	X		
	MW-8D		15:00		GW	14	X	X	X	X	X	X	X	X		
	MW-12		15:32		GW	14	X	X	X	X	X	X	X	X		
	MW-13		16:00		GW	14	X	X	X	X	X	X	X	X		
	BAILER BLANK	—	10:51	—			X	X	X	X	X	X	X	X		

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: KK	Date/Time: 5-7-11 0808	Relinquished By: Kristie Kelley	Date/Time: 5-7-11 0808	Received By:	Date/Time:
Comments/Special Reporting Requirements:		Relinquished By:	Date/Time:	Received By:	Date/Time: 5/24/11 1540
		Relinquished By:	Date/Time:	Received By:	Date/Time: 5.25.11 1015
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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102 A Woodwinds Industrial Ct
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: SHIELD ENGINEERING	Project Number:
Address: 4301 TAGGART CREEK RD	Project Name/Desc: COOPER TOOLS
City/ST/Zip: CHARLOTTE, NC 28208	PO # / Billing Info:
Tel: (704) 394-6813 Fax: 704-394-6768	Reporting Contact: DAVE WALLACE
Sampler(s) Name, Affiliation (Print): DANNY HEFNER, CHRIS NIGY/SHIELD	Billing Contact: DAVE WALLACE
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: B260 B

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due __/__/__

Lab Workorder: B1022.69

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)	Sample Comments
	TRIP BLANK	5-24-11		GRAB	WT	2	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
Comments		Relinquished By	Date/Time	Received By	Date/Time: 5/24/11 1846
		Relinquished By	Date/Time	Received By	Date/Time: 5.25.11 1015
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW Wastewater A-Air O-Other (detail in comments)

Preservation: I Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 111
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

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Friday, June 3, 2011

Shield Engineering, Inc. (SH007)

Attn: Mr. Dave Wallace

4301 Taggart Creek Road

Charlotte, NC 28208

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Cooper Tools
ENCO Workorder: B102552

Dear Mr. Dave Wallace,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, May 26, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Jacksonville. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Lindsay J. Crawford

Lindsay J Crawford

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 110.

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PROJECT NARRATIVE

Client: Shield Engineering, Inc. (SH007)
Project: Cooper Tools
ENCO Project ID: B102552

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling and processing will be discussed in the Remarks section below.

Remarks

Analysis: EPA 7470A
Affected Samples: 1E31012-BLK1, 1E31012-BLK2, 1E31013-BLK1, 1E31013-BLK2, MW-9[B102552-01], MW-9D[B102552-02], MW-11[B102552-03], MW-14[B102552-04], MW-15[B102552-05], MW-16[B102552-06], MW-17[B102552-07], MW-18[B102552-08], RINSE BLANK[B102552-09]
Nonconformance: The method blank associated with the above samples showed a positive result above the MDL, but below the reporting limit for Mercury.

Lindsay J Crawford
Project Manager

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-9		Lab ID: B102552-01		Sampled: 05/25/11 12:57	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/31/11	09:20	6/1/2011 12:44
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 18:30
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:45
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 13:56
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 12:59
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 14:40
EPA 8260B	06/08/11		06/01/11	09:53	6/2/2011 01:30

Client ID: MW-9		Lab ID: B102552-01RE1		Sampled: 05/25/11 12:57	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
SM18 3500 Cr-D	05/26/11 12:57		05/26/11	11:27	5/26/2011 12:00

Client ID: MW-9D		Lab ID: B102552-02		Sampled: 05/25/11 13:17	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/31/11	09:20	6/1/2011 12:47
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 22:07
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:47
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 14:20
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 13:09
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 15:12
EPA 8260B	06/08/11		06/01/11	09:53	6/2/2011 00:21
SM18 3500 Cr-D	05/26/11 13:17		05/26/11	11:27	5/26/2011 12:00

Client ID: MW-11		Lab ID: B102552-03		Sampled: 05/25/11 14:21	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**		**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/31/11	09:20	6/1/2011 12:54
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 22:14
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:48
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 15:07
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 13:20
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 15:43
EPA 8260B	06/08/11		06/01/11	09:53	6/1/2011 23:46
SM18 3500 Cr-D	05/26/11 14:21		05/26/11	11:27	5/26/2011 12:00

Client ID: MW-14	Lab ID: B102552-04	Sampled: 05/25/11 12:46	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/27/11	09:57	5/31/2011 11:55
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 22:21
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:50
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 15:29
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 13:31
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 16:14
SM18 3500 Cr-D	05/26/11	12:46	05/26/11	11:27	5/26/2011 12:00

Client ID: MW-14	Lab ID: B102552-04RE1	Sampled: 05/25/11 12:46	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/08/11	06/01/11	09:53	6/2/2011 12:27

Client ID: MW-15	Lab ID: B102552-05	Sampled: 05/25/11 13:20	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/27/11	09:57	5/31/2011 11:58
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 22:31
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 14:30
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 15:53
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 13:42
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 16:45
SM18 3500 Cr-D	05/26/11	13:20	05/26/11	11:27	5/26/2011 12:00

Client ID: MW-15	Lab ID: B102552-05RE1	Sampled: 05/25/11 13:20	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/08/11	06/01/11	09:53	6/2/2011 13:36

Client ID: MW-16	Lab ID: B102552-06	Sampled: 05/25/11 14:30	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/27/11	09:57	5/31/2011 11:59
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 22:38
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:52
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 16:17
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 13:53
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 17:16
SM18 3500 Cr-D	05/26/11	14:30	05/26/11	11:27	5/26/2011 12:00

Client ID: MW-16	Lab ID: B102552-06RE1	Sampled: 05/25/11 14:30	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/08/11	06/01/11	09:53	6/2/2011 11:52

Client ID: MW-17	Lab ID: B102552-07	Sampled: 05/25/11 13:50	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/27/11	09:57	5/31/2011 12:06
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 22:45
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:53
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 16:40
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 14:04
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 17:48
SM18 3500 Cr-D	05/26/11	13:50	05/26/11	11:27	5/26/2011 12:00

Client ID: MW-17	Lab ID: B102552-07RE1	Sampled: 05/25/11 13:50	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/08/11	06/01/11	09:53	6/2/2011 13:01

Client ID: MW-18	Lab ID: B102552-08	Sampled: 05/25/11 13:47	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	11/21/11		05/27/11	09:57	5/31/2011 12:09
EPA 6020A	11/21/11		05/27/11	13:12	6/1/2011 00:13
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:55
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 14:15
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 18:19
EPA 8260B	06/08/11		06/01/11	09:53	6/2/2011 09:35
SM18 3500 Cr-D	05/26/11	13:47	05/26/11	11:27	5/26/2011 12:00

Client ID: RINSE BLANK	Lab ID: B102552-09	Sampled: 05/25/11 11:15	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 1664A	06/22/11		05/26/11	13:18	5/31/2011 09:25
EPA 6010C	11/21/11		05/27/11	09:57	5/31/2011 12:10
EPA 6020A	11/21/11		05/27/11	13:12	5/31/2011 20:01
EPA 7470A	06/22/11		06/01/11	13:00	6/2/2011 13:57
EPA 8015C	06/01/11	07/10/11	05/31/11	10:00	6/1/2011 17:04
EPA 8015C	06/08/11		05/31/11	14:22	6/2/2011 14:41
EPA 8015C	06/08/11		06/01/11	10:12	6/1/2011 19:22
EPA 8260B	06/08/11		06/01/11	09:53	6/1/2011 20:19
SM18 3500 Cr-D	05/26/11	11:15	05/26/11	10:30	5/26/2011 10:30

Client ID: TRIP BLANK 1	Lab ID: B102552-10	Sampled: 05/25/11 00:00	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/08/11	06/01/11	09:53	6/1/2011 20:53

Client ID: TRIP BLANK 3	Lab ID: B102552-12	Sampled: 05/25/11 00:00	Received: 05/26/11 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	06/08/11	06/01/11	09:53	6/1/2011 21:28

Client ID:	TRIP BLANK 4	Lab ID: B102552-13	Sampled: 05/25/11 00:00	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8260B	06/08/11	06/01/11	09:53	6/1/2011 22:02

Client ID:	TRIP BLANK 5	Lab ID: B102552-14	Sampled: 05/25/11 00:00	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8260B	06/08/11	06/01/11	09:53	6/1/2011 22:37

Client ID:	TRIP BLANK 6	Lab ID: B102552-15	Sampled: 05/25/11 00:00	Received: 05/26/11 10:15
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**		**Analysis Date/Time(s)**
EPA 8260B	06/08/11	06/01/11	09:53	6/1/2011 23:11

SAMPLE DETECTION SUMMARY

Client ID: MW-9			Lab ID: B102552-01				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	2800		10	50	ug/L	EPA 8260B	
1,1,2-Trichloroethane	58		20	50	ug/L	EPA 8260B	
1,1-Dichloroethane	2900		15	50	ug/L	EPA 8260B	
1,1-Dichloroethene	2100		10	50	ug/L	EPA 8260B	
Acetone	1400	V	55	250	ug/L	EPA 8260B	QB-01
Chlorobenzene	15	I	12	50	ug/L	EPA 8260B	
Chloroethane	460		16	50	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	51		11	50	ug/L	EPA 8260B	
DRO (C10-C28)	0.23		0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.224		0.011	0.055	mg/L	EPA 8015C	
Mercury - Total	0.124	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	2.57	I	1.10	10.0	ug/L	EPA 6010C	

Client ID: MW-9D			Lab ID: B102552-02				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	2700		10	50	ug/L	EPA 8260B	
1,1-Dichloroethane	2900		15	50	ug/L	EPA 8260B	
1,1-Dichloroethene	2100		10	50	ug/L	EPA 8260B	
1,2,4-Trichlorobenzene	28	I	20	50	ug/L	EPA 8260B	
Chlorobenzene	13	I	12	50	ug/L	EPA 8260B	
Chloroethane	420		16	50	ug/L	EPA 8260B	
Copper - Total	1.51	I	1.50	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.24		0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.194		0.011	0.055	mg/L	EPA 8015C	
Mercury - Total	0.130	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	2.39	I	1.10	10.0	ug/L	EPA 6010C	
Tetrachloroethene	10	I	10	50	ug/L	EPA 8260B	
Trichloroethene	25	I	12	50	ug/L	EPA 8260B	
Zinc - Total	4.01	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-11			Lab ID: B102552-03				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	1.5		0.20	1.0	ug/L	EPA 8260B	
1,1-Dichloroethane	16		0.30	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	8.4		0.21	1.0	ug/L	EPA 8260B	
Chloroform	3.1		0.21	1.0	ug/L	EPA 8260B	
Chromium - Total	1.33	I	1.30	10.0	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.60	I	0.22	1.0	ug/L	EPA 8260B	
DRO (C10-C28)	0.10		0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.011	I	0.011	0.055	mg/L	EPA 8015C	
Mercury - Total	0.0857	IV	0.0720	0.200	ug/L	EPA 7470A	J-01
Nickel - Total	2.32	I	1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	7.50	I	3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-14			Lab ID: B102552-04				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
DRO (C10-C28)	0.062	I	0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.082		0.011	0.055	mg/L	EPA 8015C	
Mercury - Total	0.0841	IV	0.0720	0.200	ug/L	EPA 7470A	J-01

Client ID: MW-14			Lab ID: B102552-04				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Nickel - Total	2.62	I	1.10	10.0	ug/L	EPA 6010C	

Client ID: MW-14			Lab ID: B102552-04RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	6.4		1.0	5.0	ug/L	EPA 8260B	
1,1,2-Trichloroethane	3.3	I	2.0	5.0	ug/L	EPA 8260B	
1,1-Dichloroethane	3.0	I	1.5	5.0	ug/L	EPA 8260B	
1,1-Dichloroethene	270		1.0	5.0	ug/L	EPA 8260B	
Acetone	160	V	5.5	25	ug/L	EPA 8260B	QB-01
Chloroform	2.4	I	1.0	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	11		1.1	5.0	ug/L	EPA 8260B	
Tetrachloroethene	190		1.0	5.0	ug/L	EPA 8260B	
Trichloroethene	4.8	I	1.2	5.0	ug/L	EPA 8260B	

Client ID: MW-15			Lab ID: B102552-05				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Beryllium - Total	0.228	I	0.100	1.00	ug/L	EPA 6010C	
Chromium - Total	6.51	I	1.30	10.0	ug/L	EPA 6010C	
Copper - Total	4.48	I	1.50	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.26		0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.032	I	0.011	0.055	mg/L	EPA 8015C	
Lead - Total	4.23	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.0848	IV	0.0720	0.200	ug/L	EPA 7470A	J-01
Nickel - Total	5.74	I	1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	11.1		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-15			Lab ID: B102552-05RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	38		3.0	10	ug/L	EPA 8260B	
1,1-Dichloroethene	200		2.1	10	ug/L	EPA 8260B	
Acetone	370	V	11	50	ug/L	EPA 8260B	QB-01
cis-1,2-Dichloroethene	930		2.2	10	ug/L	EPA 8260B	
Tetrachloroethene	8.7	I	2.1	10	ug/L	EPA 8260B	
trans-1,2-Dichloroethene	6.7	I	3.0	10	ug/L	EPA 8260B	
Trichloroethene	17		2.4	10	ug/L	EPA 8260B	
Vinyl chloride	130		3.3	10	ug/L	EPA 8260B	

Client ID: MW-16			Lab ID: B102552-06				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Arsenic - Total	7.24	I	6.70	10.0	ug/L	EPA 6010C	
Beryllium - Total	0.431	I	0.100	1.00	ug/L	EPA 6010C	
Chromium - Total	7.15	I	1.30	10.0	ug/L	EPA 6010C	
Copper - Total	10.6		1.50	10.0	ug/L	EPA 6010C	
DRO (C10-C28)	0.19		0.024	0.10	mg/L	EPA 8015C	
Lead - Total	14.3		2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.128	IV	0.108	0.300	ug/L	EPA 7470A	J-01
Nickel - Total	5.69	I	1.10	10.0	ug/L	EPA 6010C	
Zinc - Total	14.1		3.50	10.0	ug/L	EPA 6010C	

Client ID: MW-16			Lab ID: B102552-06RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**

Client ID: MW-16			Lab ID: B102552-06RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	11		0.20	1.0	ug/L	EPA 8260B	
1,1,2-Trichloroethane	3.0		0.40	1.0	ug/L	EPA 8260B	
1,1-Dichloroethane	110		0.30	1.0	ug/L	EPA 8260B	
1,1-Dichloroethene	110		0.21	1.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	53		0.22	1.0	ug/L	EPA 8260B	
Tetrachloroethene	0.73	I	0.21	1.0	ug/L	EPA 8260B	
Trichloroethene	2.2		0.24	1.0	ug/L	EPA 8260B	

Client ID: MW-17			Lab ID: B102552-07				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Beryllium - Total	0.116	I	0.100	1.00	ug/L	EPA 6010C	
DRO (C10-C28)	0.040	I	0.024	0.10	mg/L	EPA 8015C	
GRO (C6-C10)	0.013	I	0.011	0.055	mg/L	EPA 8015C	
Lead - Total	4.11	I	2.90	10.0	ug/L	EPA 6010C	
Mercury - Total	0.0880	IV	0.0720	0.200	ug/L	EPA 7470A	J-01

Client ID: MW-17			Lab ID: B102552-07RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1,1-Trichloroethane	64		1.0	5.0	ug/L	EPA 8260B	
1,1,2-Trichloroethane	3.0	I	2.0	5.0	ug/L	EPA 8260B	
1,1-Dichloroethane	290		1.5	5.0	ug/L	EPA 8260B	
1,1-Dichloroethene	260		1.0	5.0	ug/L	EPA 8260B	
Acetone	160	V	5.5	25	ug/L	EPA 8260B	QB-01
Chloroform	1.2	I	1.0	5.0	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	15		1.1	5.0	ug/L	EPA 8260B	
Tetrachloroethene	2.2	I	1.0	5.0	ug/L	EPA 8260B	

Client ID: MW-18			Lab ID: B102552-08				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	1500		15	50	ug/L	EPA 8260B	
Antimony - Total	1.73	I	0.950	20.0	ug/L	EPA 6020A	
Arsenic - Total	129		33.5	50.0	ug/L	EPA 6010C	
Beryllium - Total	5.55		0.500	5.00	ug/L	EPA 6010C	
Chromium - Total	376		6.50	50.0	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	64		11	50	ug/L	EPA 8260B	
Copper - Total	176		7.50	50.0	ug/L	EPA 6010C	
GRO (C6-C10)	0.028	I	0.011	0.055	mg/L	EPA 8015C	
Lead - Total	117		14.5	50.0	ug/L	EPA 6010C	
Mercury - Total	0.255	IV	0.216	0.600	ug/L	EPA 7470A	J-01
Nickel - Total	326		5.50	50.0	ug/L	EPA 6010C	
Vinyl chloride	220		16	50	ug/L	EPA 8260B	
Zinc - Total	804		17.5	50.0	ug/L	EPA 6010C	

Client ID: RINSE BLANK			Lab ID: B102552-09				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Mercury - Total	0.0876	IV	0.0720	0.200	ug/L	EPA 7470A	J-01

ANALYTICAL RESULTS

Description: MW-9 **Lab Sample ID:** B102552-01 **Received:** 05/26/11 10:15
Matrix: Ground Water **Sampled:** 05/25/11 12:57 **Work Order:** B102552
Project: Cooper Tools **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**2800**		ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,1,2-Trichloroethane [79-00-5] ^	**58**		ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,1-Dichloroethane [75-34-3] ^	**2900**		ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,1-Dichloroethene [75-35-4] ^	**2100**		ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,1-Dichloropropene [563-58-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	25	U	ug/L	50	25	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2,3-Trichloropropane [96-18-4] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	30	U	ug/L	50	30	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2-Dibromoethane [106-93-4] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2-Dichlorobenzene [95-50-1] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2-Dichloroethane [107-06-2] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,2-Dichloropropane [78-87-5] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,3-Dichlorobenzene [541-73-1] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,3-Dichloropropane [142-28-9] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
1,4-Dichlorobenzene [106-46-7] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
2,2-Dichloropropane [594-20-7] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
2-Butanone [78-93-3] ^	19	U	ug/L	50	19	250	1F01011	EPA 8260B	06/02/11 01:30	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	75	U	ug/L	50	75	250	1F01011	EPA 8260B	06/02/11 01:30	GMB	
2-Chlorotoluene [95-49-8] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
2-Hexanone [591-78-6] ^	25	U	ug/L	50	25	250	1F01011	EPA 8260B	06/02/11 01:30	GMB	
4-Chlorotoluene [106-43-4] ^	11	U	ug/L	50	11	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
4-Isopropyltoluene [99-87-6] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
4-Methyl-2-pentanone [108-10-1] ^	50	U	ug/L	50	50	250	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Acetone [67-64-1] ^	**1400**	V	ug/L	50	55	250	1F01011	EPA 8260B	06/02/11 01:30	GMB	QB-01
Benzene [71-43-2] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Bromobenzene [108-86-1] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Bromochloromethane [74-97-5] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Bromodichloromethane [75-27-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Bromoform [75-25-2] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Bromomethane [74-83-9] ^	32	U	ug/L	50	32	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Carbon disulfide [75-15-0] ^	12	U	ug/L	50	12	250	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Carbon tetrachloride [56-23-5] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Chlorobenzene [108-90-7] ^	**15**	I	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Chloroethane [75-00-3] ^	**460**		ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Chloroform [67-66-3] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Chloromethane [74-87-3] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**51**		ug/L	50	11	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	18	U	ug/L	50	18	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Dibromochloromethane [124-48-1] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Dibromomethane [74-95-3] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Dichlorodifluoromethane [75-71-8] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Ethylbenzene [100-41-4] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Hexachlorobutadiene [87-68-3] ^	18	U	ug/L	50	18	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	

Description: MW-9 | **Lab Sample ID:** B102552-01 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:57 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	25	U	ug/L	50	25	100	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Methylene chloride [75-09-2] ^	31	U	ug/L	50	31	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Methyl-tert-Butyl Ether [1634-04-4] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Naphthalene [91-20-3] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
n-Butyl Benzene [104-51-8] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
n-Propyl Benzene [103-65-1] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
o-Xylene [95-47-6] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
sec-Butylbenzene [135-98-8] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Styrene [100-42-5] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
tert-Butylbenzene [98-06-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Tetrachloroethene [127-18-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Toluene [108-88-3] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Trichloroethene [79-01-6] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Trichlorofluoromethane [75-69-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Vinyl chloride [75-01-4] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	
Xylenes (Total) [1330-20-7] ^	25	U	ug/L	50	25	50	1F01011	EPA 8260B	06/02/11 01:30	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 01:30*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*111 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 01:30*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 01:30*	*GMB*	

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Description: MW-9
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-01
Sampled: 05/25/11 12:57
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 12:59	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 12:59	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*97*	*1*	*101*	*95.7 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 12:59*	*LAC*	

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Description: MW-9 | **Lab Sample ID:** B102552-01 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 12:57 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.23**		mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 13:56	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.056*	*1*	*0.0538*	*105 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 13:56*	*JSW*	

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Description: MW-9 | **Lab Sample ID:** B102552-01 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:57 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.124**	IV	ug/L	1	0.108	0.300	1E31013	EPA 7470A	06/02/11 13:45	LTS	J-01

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Description: MW-9 | **Lab Sample ID:** B102552-01 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:57 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Nickel [7440-02-0] ^	**2.57**	I	ug/L	1	1.10	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	
Zinc [7440-66-6] ^	3.50	U	ug/L	1	3.50	10.0	1E31004	EPA 6010C	06/01/11 12:44	ACV	

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Description: MW-9 | **Lab Sample ID:** B102552-01 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:57 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.021	U	mg/L	1	0.021	0.15	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	QM-13
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

Description: MW-9
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-01
Sampled: 05/25/11 12:57
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 18:30	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 18:30	JMA	

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Description: MW-9
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-01
Sampled: 05/25/11 12:57
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.224**		mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 14:40	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0814*	*1*	*0.100*	*81 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 14:40*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-9D | **Lab Sample ID:** B102552-02 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:17 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**2700**		ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,1,2-Trichloroethane [79-00-5] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,1-Dichloroethane [75-34-3] ^	**2900**		ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,1-Dichloroethene [75-35-4] ^	**2100**		ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,1-Dichloropropene [563-58-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	25	U	ug/L	50	25	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2,3-Trichloropropane [96-18-4] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	**28**	I	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	30	U	ug/L	50	30	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2-Dibromoethane [106-93-4] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2-Dichlorobenzene [95-50-1] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2-Dichloroethane [107-06-2] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,2-Dichloropropane [78-87-5] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,3-Dichlorobenzene [541-73-1] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,3-Dichloropropane [142-28-9] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
1,4-Dichlorobenzene [106-46-7] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
2,2-Dichloropropane [594-20-7] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
2-Butanone [78-93-3] ^	19	U	ug/L	50	19	250	1F01011	EPA 8260B	06/02/11 00:21	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	75	U	ug/L	50	75	250	1F01011	EPA 8260B	06/02/11 00:21	GMB	
2-Chlorotoluene [95-49-8] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
2-Hexanone [591-78-6] ^	25	U	ug/L	50	25	250	1F01011	EPA 8260B	06/02/11 00:21	GMB	
4-Chlorotoluene [106-43-4] ^	11	U	ug/L	50	11	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
4-Isopropyltoluene [99-87-6] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
4-Methyl-2-pentanone [108-10-1] ^	50	U	ug/L	50	50	250	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Acetone [67-64-1] ^	55	U	ug/L	50	55	250	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Benzene [71-43-2] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Bromobenzene [108-86-1] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Bromochloromethane [74-97-5] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Bromodichloromethane [75-27-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Bromoform [75-25-2] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Bromomethane [74-83-9] ^	32	U	ug/L	50	32	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Carbon disulfide [75-15-0] ^	12	U	ug/L	50	12	250	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Carbon tetrachloride [56-23-5] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Chlorobenzene [108-90-7] ^	**13**	I	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Chloroethane [75-00-3] ^	**420**		ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Chloroform [67-66-3] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Chloromethane [74-87-3] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	11	U	ug/L	50	11	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	18	U	ug/L	50	18	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Dibromochloromethane [124-48-1] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Dibromomethane [74-95-3] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Dichlorodifluoromethane [75-71-8] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Ethylbenzene [100-41-4] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Hexachlorobutadiene [87-68-3] ^	18	U	ug/L	50	18	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Isopropylbenzene [98-82-8] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	25	U	ug/L	50	25	100	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Methylene chloride [75-09-2] ^	31	U	ug/L	50	31	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	

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Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Naphthalene [91-20-3] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
n-Butyl Benzene [104-51-8] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
n-Propyl Benzene [103-65-1] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
o-Xylene [95-47-6] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
sec-Butylbenzene [135-98-8] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Styrene [100-42-5] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
tert-Butylbenzene [98-06-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Tetrachloroethene [127-18-4] ^	**10**	I	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Toluene [108-88-3] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Trichloroethene [79-01-6] ^	**25**	I	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Trichlorofluoromethane [75-69-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Vinyl chloride [75-01-4] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	
Xylenes (Total) [1330-20-7] ^	25	U	ug/L	50	25	50	1F01011	EPA 8260B	06/02/11 00:21	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 00:21*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 00:21*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*115 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 00:21*	*GMB*	

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Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 13:09	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 13:09	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*96*	*1*	*101*	*95.0 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 13:09*	*LAC*	

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Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.24**		mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 14:20	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.058*	*1*	*0.0532*	*108 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 14:20*	*JSW*	

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Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.130**	IV	ug/L	1	0.108	0.300	1E31013	EPA 7470A	06/02/11 13:47	LTS	J-01

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Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Copper [7440-50-8] ^	**1.51**	I	ug/L	1	1.50	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Nickel [7440-02-0] ^	**2.39**	I	ug/L	1	1.10	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	
Zinc [7440-66-6] ^	**4.01**	I	ug/L	1	3.50	10.0	1E31004	EPA 6010C	06/01/11 12:47	ACV	

Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

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Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 22:07	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 22:07	JMA	

Description: MW-9D
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-02
Sampled: 05/25/11 13:17
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.194**		mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 15:12	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0851*	*1*	*0.100*	*85 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 15:12*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**1.5**		ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,1-Dichloroethane [75-34-3] ^	**16**		ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,1-Dichloroethene [75-35-4] ^	**8.4**		ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Chloroform [67-66-3] ^	**3.1**		ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**0.60**	I	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	

Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 23:46	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 23:46*	*GMB*	
Dibromofluoromethane	*56*	*1*	*50.0*	*111 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 23:46*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*115 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 23:46*	*GMB*	

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Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 13:20	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 13:20	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*96*	*1*	*101*	*94.9 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 13:20*	*LAC*	

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Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.10**		mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 15:07	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.058*	*1*	*0.0549*	*106 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 15:07*	*JSW*	

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Description: MW-11
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-03
Sampled: 05/25/11 14:21
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0857**	IV	ug/L	1	0.0720	0.200	1E31013	EPA 7470A	06/02/11 13:48	LTS	J-01

Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Chromium [7440-47-3] ^	**1.33**	I	ug/L	1	1.30	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Nickel [7440-02-0] ^	**2.32**	I	ug/L	1	1.10	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	
Zinc [7440-66-6] ^	**7.50**	I	ug/L	1	3.50	10.0	1E31004	EPA 6010C	06/01/11 12:54	ACV	

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Description: MW-11
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-03
Sampled: 05/25/11 14:21
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 22:14	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 22:14	JMA	

Description: MW-11 | **Lab Sample ID:** B102552-03 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:21 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.011**	I	mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 15:43	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0834*	*1*	*0.100*	*83 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 15:43*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**6.4**		ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,1,2-Trichloroethane [79-00-5] ^	**3.3**	I	ug/L	5	2.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,1-Dichloroethane [75-34-3] ^	**3.0**	I	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,1-Dichloroethene [75-35-4] ^	**270**		ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,1-Dichloropropene [563-58-6] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	2.5	U	ug/L	5	2.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2,3-Trichloropropane [96-18-4] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	2.0	U	ug/L	5	2.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	3.0	U	ug/L	5	3.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2-Dibromoethane [106-93-4] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2-Dichlorobenzene [95-50-1] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2-Dichloroethane [107-06-2] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,2-Dichloropropane [78-87-5] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	1.3	U	ug/L	5	1.3	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,3-Dichlorobenzene [541-73-1] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,3-Dichloropropane [142-28-9] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
1,4-Dichlorobenzene [106-46-7] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
2,2-Dichloropropane [594-20-7] ^	2.0	U	ug/L	5	2.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
2-Butanone [78-93-3] ^	1.9	U	ug/L	5	1.9	25	1F01011	EPA 8260B	06/02/11 12:27	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	7.5	U	ug/L	5	7.5	25	1F01011	EPA 8260B	06/02/11 12:27	GMB	
2-Chlorotoluene [95-49-8] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
2-Hexanone [591-78-6] ^	2.5	U	ug/L	5	2.5	25	1F01011	EPA 8260B	06/02/11 12:27	GMB	
4-Chlorotoluene [106-43-4] ^	1.1	U	ug/L	5	1.1	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
4-Isopropyltoluene [99-87-6] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
4-Methyl-2-pentanone [108-10-1] ^	5.0	U	ug/L	5	5.0	25	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Acetone [67-64-1] ^	**160**	V	ug/L	5	5.5	25	1F01011	EPA 8260B	06/02/11 12:27	GMB	QB-01
Benzene [71-43-2] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Bromobenzene [108-86-1] ^	1.3	U	ug/L	5	1.3	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Bromochloromethane [74-97-5] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Bromodichloromethane [75-27-4] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Bromoform [75-25-2] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Bromomethane [74-83-9] ^	3.2	U	ug/L	5	3.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Carbon disulfide [75-15-0] ^	1.2	U	ug/L	5	1.2	25	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Carbon tetrachloride [56-23-5] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Chlorobenzene [108-90-7] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Chloroethane [75-00-3] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Chloroform [67-66-3] ^	**2.4**	I	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Chloromethane [74-87-3] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**11**		ug/L	5	1.1	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	1.8	U	ug/L	5	1.8	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Dibromochloromethane [124-48-1] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Dibromomethane [74-95-3] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Dichlorodifluoromethane [75-71-8] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Ethylbenzene [100-41-4] ^	1.3	U	ug/L	5	1.3	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Hexachlorobutadiene [87-68-3] ^	1.8	U	ug/L	5	1.8	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Isopropylbenzene [98-82-8] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	2.5	U	ug/L	5	2.5	10	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Methylene chloride [75-09-2] ^	3.1	U	ug/L	5	3.1	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	

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Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Naphthalene [91-20-3] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
n-Butyl Benzene [104-51-8] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
n-Propyl Benzene [103-65-1] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
o-Xylene [95-47-6] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
sec-Butylbenzene [135-98-8] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Styrene [100-42-5] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
tert-Butylbenzene [98-06-6] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Tetrachloroethene [127-18-4] ^	**190**		ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Toluene [108-88-3] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Trichloroethene [79-01-6] ^	**4.8**	I	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Trichlorofluoromethane [75-69-4] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Vinyl chloride [75-01-4] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	
Xylenes (Total) [1330-20-7] ^	2.5	U	ug/L	5	2.5	5.0	1F01011	EPA 8260B	06/02/11 12:27	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 12:27*	*GMB*	
Dibromofluoromethane	*56*	*1*	*50.0*	*113 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 12:27*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 12:27*	*GMB*	

Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 13:31	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 13:31	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*95*	*1*	*101*	*94.5 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 13:31*	*LAC*	

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Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.062**	I	mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 15:29	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.057*	*1*	*0.0521*	*109 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 15:29*	*JSW*	

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Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0841**	IV	ug/L	1	0.0720	0.200	1E31013	EPA 7470A	06/02/11 13:50	LTS	J-01

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Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Nickel [7440-02-0] ^	**2.62**	I	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	
Zinc [7440-66-6] ^	3.50	U	ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:55	ACV	

Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

www.encolabs.com

Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 22:21	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 22:21	JMA	

Description: MW-14 | **Lab Sample ID:** B102552-04 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 12:46 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.082**		mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 16:14	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0817*	*1*	*0.100*	*82 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 16:14*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-15 **Lab Sample ID:** B102552-05 **Received:** 05/26/11 10:15

Matrix: Ground Water **Sampled:** 05/25/11 13:20 **Work Order:** B102552

Project: Cooper Tools **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,1,1-Trichloroethane [71-55-6] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	3.2	U	ug/L	10	3.2	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,1,2-Trichloroethane [79-00-5] ^	4.0	U	ug/L	10	4.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,1-Dichloroethane [75-34-3] ^	**38**		ug/L	10	3.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,1-Dichloroethene [75-35-4] ^	**200**		ug/L	10	2.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,1-Dichloropropene [563-58-6] ^	2.1	U	ug/L	10	2.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	5.0	U	ug/L	10	5.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2,3-Trichloropropane [96-18-4] ^	3.0	U	ug/L	10	3.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	4.1	U	ug/L	10	4.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	2.8	U	ug/L	10	2.8	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	6.0	U	ug/L	10	6.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2-Dibromoethane [106-93-4] ^	2.7	U	ug/L	10	2.7	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2-Dichlorobenzene [95-50-1] ^	2.4	U	ug/L	10	2.4	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2-Dichloroethane [107-06-2] ^	2.8	U	ug/L	10	2.8	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,2-Dichloropropane [78-87-5] ^	3.0	U	ug/L	10	3.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	2.6	U	ug/L	10	2.6	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,3-Dichlorobenzene [541-73-1] ^	2.7	U	ug/L	10	2.7	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,3-Dichloropropane [142-28-9] ^	2.5	U	ug/L	10	2.5	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
1,4-Dichlorobenzene [106-46-7] ^	2.3	U	ug/L	10	2.3	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
2,2-Dichloropropane [594-20-7] ^	4.0	U	ug/L	10	4.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
2-Butanone [78-93-3] ^	3.8	U	ug/L	10	3.8	50	1F01011	EPA 8260B	06/02/11 13:36	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	15	U	ug/L	10	15	50	1F01011	EPA 8260B	06/02/11 13:36	GMB	
2-Chlorotoluene [95-49-8] ^	3.3	U	ug/L	10	3.3	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
2-Hexanone [591-78-6] ^	5.0	U	ug/L	10	5.0	50	1F01011	EPA 8260B	06/02/11 13:36	GMB	
4-Chlorotoluene [106-43-4] ^	2.2	U	ug/L	10	2.2	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
4-Isopropyltoluene [99-87-6] ^	2.9	U	ug/L	10	2.9	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
4-Methyl-2-pentanone [108-10-1] ^	10	U	ug/L	10	10	50	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Acetone [67-64-1] ^	**370**	V	ug/L	10	11	50	1F01011	EPA 8260B	06/02/11 13:36	GMB	QB-01
Benzene [71-43-2] ^	2.7	U	ug/L	10	2.7	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Bromobenzene [108-86-1] ^	2.6	U	ug/L	10	2.6	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Bromochloromethane [74-97-5] ^	2.8	U	ug/L	10	2.8	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Bromodichloromethane [75-27-4] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Bromoform [75-25-2] ^	3.3	U	ug/L	10	3.3	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Bromomethane [74-83-9] ^	6.4	U	ug/L	10	6.4	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Carbon disulfide [75-15-0] ^	2.4	U	ug/L	10	2.4	50	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Carbon tetrachloride [56-23-5] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Chlorobenzene [108-90-7] ^	2.4	U	ug/L	10	2.4	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Chloroethane [75-00-3] ^	3.1	U	ug/L	10	3.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Chloroform [67-66-3] ^	2.1	U	ug/L	10	2.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Chloromethane [74-87-3] ^	3.1	U	ug/L	10	3.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**930**		ug/L	10	2.2	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	3.5	U	ug/L	10	3.5	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Dibromochloromethane [124-48-1] ^	2.7	U	ug/L	10	2.7	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Dibromomethane [74-95-3] ^	2.7	U	ug/L	10	2.7	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Dichlorodifluoromethane [75-71-8] ^	2.9	U	ug/L	10	2.9	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Ethylbenzene [100-41-4] ^	2.6	U	ug/L	10	2.6	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Hexachlorobutadiene [87-68-3] ^	3.5	U	ug/L	10	3.5	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Isopropylbenzene [98-82-8] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	5.0	U	ug/L	10	5.0	20	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Methylene chloride [75-09-2] ^	6.2	U	ug/L	10	6.2	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	

Description: MW-15 | **Lab Sample ID:** B102552-05 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:20 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	2.4	U	ug/L	10	2.4	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Naphthalene [91-20-3] ^	3.0	U	ug/L	10	3.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
n-Butyl Benzene [104-51-8] ^	2.8	U	ug/L	10	2.8	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
n-Propyl Benzene [103-65-1] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
o-Xylene [95-47-6] ^	2.5	U	ug/L	10	2.5	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
sec-Butylbenzene [135-98-8] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Styrene [100-42-5] ^	3.2	U	ug/L	10	3.2	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
tert-Butylbenzene [98-06-6] ^	2.1	U	ug/L	10	2.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Tetrachloroethene [127-18-4] ^	**8.7**	I	ug/L	10	2.1	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Toluene [108-88-3] ^	3.0	U	ug/L	10	3.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	**6.7**	I	ug/L	10	3.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	3.3	U	ug/L	10	3.3	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Trichloroethene [79-01-6] ^	**17**		ug/L	10	2.4	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Trichlorofluoromethane [75-69-4] ^	2.0	U	ug/L	10	2.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Vinyl chloride [75-01-4] ^	**130**		ug/L	10	3.3	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	
Xylenes (Total) [1330-20-7] ^	5.0	U	ug/L	10	5.0	10	1F01011	EPA 8260B	06/02/11 13:36	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 13:36*	*GMB*	
Dibromofluoromethane	*56*	*1*	*50.0*	*113 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 13:36*	*GMB*	
Toluene-d8	*59*	*1*	*50.0*	*117 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 13:36*	*GMB*	

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Description: MW-15
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-05
Sampled: 05/25/11 13:20
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 13:42	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 13:42	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*90*	*1*	*101*	*88.7 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 13:42*	*LAC*	

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Description: MW-15 | **Lab Sample ID:** B102552-05 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 13:20 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.26		mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 15:53	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.056*	*1*	*0.0510*	*110 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 15:53*	*JSW*	

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Description: MW-15
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-05
Sampled: 05/25/11 13:20
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0848**	IV	ug/L	1	0.0720	0.200	1E31013	EPA 7470A	06/02/11 14:30	LTS	J-01

Description: MW-15 | **Lab Sample ID:** B102552-05 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:20 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Beryllium [7440-41-7] ^	**0.228**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Chromium [7440-47-3] ^	**6.51**	I	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Copper [7440-50-8] ^	**4.48**	I	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Lead [7439-92-1] ^	**4.23**	I	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Nickel [7440-02-0] ^	**5.74**	I	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	
Zinc [7440-66-6] ^	**11.1**		ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:58	ACV	

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Description: MW-15
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-05
Sampled: 05/25/11 13:20
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

www.encolabs.com

Description: MW-15 | **Lab Sample ID:** B102552-05 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 13:20 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 22:31	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 22:31	JMA	

Description: MW-15 | **Lab Sample ID:** B102552-05 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 13:20 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.032	I	mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 16:45	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0874*	*1*	*0.100*	*87 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 16:45*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**11**		ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,1,2-Trichloroethane [79-00-5] ^	**3.0**		ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,1-Dichloroethane [75-34-3] ^	**110**		ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,1-Dichloroethene [75-35-4] ^	**110**		ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**53**		ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	

Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Tetrachloroethene [127-18-4] ^	**0.73**	I	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Trichloroethene [79-01-6] ^	**2.2**		ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/02/11 11:52	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 11:52*	*GMB*	
Dibromofluoromethane	*57*	*1*	*50.0*	*114 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 11:52*	*GMB*	
Toluene-d8	*57*	*1*	*50.0*	*114 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 11:52*	*GMB*	

Description: MW-16
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-06
Sampled: 05/25/11 14:30
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 13:53	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 13:53	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*93*	*1*	*101*	*92.5 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 13:53*	*LAC*	

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Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.19**		mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 16:17	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.050*	*1*	*0.0543*	*92 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 16:17*	*JSW*	

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Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.128**	IV	ug/L	1	0.108	0.300	1E31013	EPA 7470A	06/02/11 13:52	LTS	J-01

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Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**7.24**	I	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Beryllium [7440-41-7] ^	**0.431**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Chromium [7440-47-3] ^	**7.15**	I	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Copper [7440-50-8] ^	**10.6**		ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Lead [7439-92-1] ^	**14.3**		ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Nickel [7440-02-0] ^	**5.69**	I	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	
Zinc [7440-66-6] ^	**14.1**		ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 11:59	ACV	

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Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	FILT
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

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Description: MW-16
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-06
Sampled: 05/25/11 14:30
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 22:38	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 22:38	JMA	

Description: MW-16 | **Lab Sample ID:** B102552-06 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 14:30 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.011	U	mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 17:16	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0875*	*1*	*0.100*	*88 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 17:16*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-17 | **Lab Sample ID:** B102552-07 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:50 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,1,1-Trichloroethane [71-55-6] ^	**64**		ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,1,2-Trichloroethane [79-00-5] ^	**3.0**	I	ug/L	5	2.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,1-Dichloroethane [75-34-3] ^	**290**		ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,1-Dichloroethene [75-35-4] ^	**260**		ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,1-Dichloropropene [563-58-6] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	2.5	U	ug/L	5	2.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2,3-Trichloropropane [96-18-4] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	2.0	U	ug/L	5	2.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	3.0	U	ug/L	5	3.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2-Dibromoethane [106-93-4] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2-Dichlorobenzene [95-50-1] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2-Dichloroethane [107-06-2] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,2-Dichloropropane [78-87-5] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	1.3	U	ug/L	5	1.3	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,3-Dichlorobenzene [541-73-1] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,3-Dichloropropane [142-28-9] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
1,4-Dichlorobenzene [106-46-7] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
2,2-Dichloropropane [594-20-7] ^	2.0	U	ug/L	5	2.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
2-Butanone [78-93-3] ^	1.9	U	ug/L	5	1.9	25	1F01011	EPA 8260B	06/02/11 13:01	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	7.5	U	ug/L	5	7.5	25	1F01011	EPA 8260B	06/02/11 13:01	GMB	
2-Chlorotoluene [95-49-8] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
2-Hexanone [591-78-6] ^	2.5	U	ug/L	5	2.5	25	1F01011	EPA 8260B	06/02/11 13:01	GMB	
4-Chlorotoluene [106-43-4] ^	1.1	U	ug/L	5	1.1	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
4-Isopropyltoluene [99-87-6] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
4-Methyl-2-pentanone [108-10-1] ^	5.0	U	ug/L	5	5.0	25	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Acetone [67-64-1] ^	**160**	V	ug/L	5	5.5	25	1F01011	EPA 8260B	06/02/11 13:01	GMB	QB-01
Benzene [71-43-2] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Bromobenzene [108-86-1] ^	1.3	U	ug/L	5	1.3	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Bromochloromethane [74-97-5] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Bromodichloromethane [75-27-4] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Bromoform [75-25-2] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Bromomethane [74-83-9] ^	3.2	U	ug/L	5	3.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Carbon disulfide [75-15-0] ^	1.2	U	ug/L	5	1.2	25	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Carbon tetrachloride [56-23-5] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Chlorobenzene [108-90-7] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Chloroethane [75-00-3] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Chloroform [67-66-3] ^	**1.2**	I	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Chloromethane [74-87-3] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**15**		ug/L	5	1.1	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	1.8	U	ug/L	5	1.8	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Dibromochloromethane [124-48-1] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Dibromomethane [74-95-3] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Dichlorodifluoromethane [75-71-8] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Ethylbenzene [100-41-4] ^	1.3	U	ug/L	5	1.3	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Hexachlorobutadiene [87-68-3] ^	1.8	U	ug/L	5	1.8	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Isopropylbenzene [98-82-8] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	2.5	U	ug/L	5	2.5	10	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Methylene chloride [75-09-2] ^	3.1	U	ug/L	5	3.1	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	

Description: MW-17 | **Lab Sample ID:** B102552-07 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:50 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Naphthalene [91-20-3] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
n-Butyl Benzene [104-51-8] ^	1.4	U	ug/L	5	1.4	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
n-Propyl Benzene [103-65-1] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
o-Xylene [95-47-6] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
sec-Butylbenzene [135-98-8] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Styrene [100-42-5] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
tert-Butylbenzene [98-06-6] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Tetrachloroethene [127-18-4] ^	**2.2**	I	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Toluene [108-88-3] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	1.5	U	ug/L	5	1.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Trichloroethene [79-01-6] ^	1.2	U	ug/L	5	1.2	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Trichlorofluoromethane [75-69-4] ^	1.0	U	ug/L	5	1.0	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Vinyl chloride [75-01-4] ^	1.6	U	ug/L	5	1.6	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	
Xylenes (Total) [1330-20-7] ^	2.5	U	ug/L	5	2.5	5.0	1F01011	EPA 8260B	06/02/11 13:01	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 13:01*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 13:01*	*GMB*	
Toluene-d8	*57*	*1*	*50.0*	*113 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 13:01*	*GMB*	

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Description: MW-17 | **Lab Sample ID:** B102552-07 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:50 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 14:04	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 14:04	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*95*	*1*	*101*	*93.7 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 14:04*	*LAC*	

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Description: MW-17
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-07
Sampled: 05/25/11 13:50
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	**0.040**	I	mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 16:40	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.052*	*1*	*0.0500*	*103 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 16:40*	*JSW*	

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Description: MW-17
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-07
Sampled: 05/25/11 13:50
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0880**	IV	ug/L	1	0.0720	0.200	1E31013	EPA 7470A	06/02/11 13:53	LTS	J-01

www.encolabs.com

Description: MW-17 | **Lab Sample ID:** B102552-07 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:50 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Beryllium [7440-41-7] ^	**0.116**	I	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Cadmium [7440-43-9] ^	*0.370*	U	*ug/L*	1	*0.370*	*1.00*	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Lead [7439-92-1] ^	**4.11**	I	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Nickel [7440-02-0] ^	1.10	U	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	
Zinc [7440-66-6] ^	3.50	U	ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 12:06	ACV	

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Description: MW-17 | **Lab Sample ID:** B102552-07 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:50 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

Description: MW-17 | **Lab Sample ID:** B102552-07 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:50 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 22:45	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 22:45	JMA	

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Description: MW-17
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-07
Sampled: 05/25/11 13:50
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.013**	I	mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 17:48	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0863*	*1*	*0.100*	*86 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 17:48*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-18 | **Lab Sample ID:** B102552-08 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:47 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,1,1-Trichloroethane [71-55-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,1,2-Trichloroethane [79-00-5] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,1-Dichloroethane [75-34-3] ^	**1500**		ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,1-Dichloroethene [75-35-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,1-Dichloropropene [563-58-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	25	U	ug/L	50	25	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2,3-Trichloropropane [96-18-4] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	30	U	ug/L	50	30	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2-Dibromoethane [106-93-4] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2-Dichlorobenzene [95-50-1] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2-Dichloroethane [107-06-2] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,2-Dichloropropane [78-87-5] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,3-Dichlorobenzene [541-73-1] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,3-Dichloropropane [142-28-9] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
1,4-Dichlorobenzene [106-46-7] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
2,2-Dichloropropane [594-20-7] ^	20	U	ug/L	50	20	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
2-Butanone [78-93-3] ^	19	U	ug/L	50	19	250	1F01011	EPA 8260B	06/02/11 09:35	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	75	U	ug/L	50	75	250	1F01011	EPA 8260B	06/02/11 09:35	GMB	
2-Chlorotoluene [95-49-8] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
2-Hexanone [591-78-6] ^	25	U	ug/L	50	25	250	1F01011	EPA 8260B	06/02/11 09:35	GMB	
4-Chlorotoluene [106-43-4] ^	11	U	ug/L	50	11	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
4-Isopropyltoluene [99-87-6] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
4-Methyl-2-pentanone [108-10-1] ^	50	U	ug/L	50	50	250	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Acetone [67-64-1] ^	55	U	ug/L	50	55	250	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Benzene [71-43-2] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Bromobenzene [108-86-1] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Bromochloromethane [74-97-5] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Bromodichloromethane [75-27-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Bromoform [75-25-2] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Bromomethane [74-83-9] ^	32	U	ug/L	50	32	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Carbon disulfide [75-15-0] ^	12	U	ug/L	50	12	250	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Carbon tetrachloride [56-23-5] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Chlorobenzene [108-90-7] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Chloroethane [75-00-3] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Chloroform [67-66-3] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Chloromethane [74-87-3] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	**64**		ug/L	50	11	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	18	U	ug/L	50	18	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Dibromochloromethane [124-48-1] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Dibromomethane [74-95-3] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Dichlorodifluoromethane [75-71-8] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Ethylbenzene [100-41-4] ^	13	U	ug/L	50	13	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Hexachlorobutadiene [87-68-3] ^	18	U	ug/L	50	18	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Isopropylbenzene [98-82-8] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	25	U	ug/L	50	25	100	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Methylene chloride [75-09-2] ^	31	U	ug/L	50	31	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	

Description: MW-18 | **Lab Sample ID:** B102552-08 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:47 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Naphthalene [91-20-3] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
n-Butyl Benzene [104-51-8] ^	14	U	ug/L	50	14	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
n-Propyl Benzene [103-65-1] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
o-Xylene [95-47-6] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
sec-Butylbenzene [135-98-8] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Styrene [100-42-5] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
tert-Butylbenzene [98-06-6] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Tetrachloroethene [127-18-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Toluene [108-88-3] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	15	U	ug/L	50	15	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	16	U	ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Trichloroethene [79-01-6] ^	12	U	ug/L	50	12	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Trichlorofluoromethane [75-69-4] ^	10	U	ug/L	50	10	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Vinyl chloride [75-01-4] ^	**220**		ug/L	50	16	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	
Xylenes (Total) [1330-20-7] ^	25	U	ug/L	50	25	50	1F01011	EPA 8260B	06/02/11 09:35	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/02/11 09:35*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*107 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/02/11 09:35*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/02/11 09:35*	*GMB*	

Description: MW-18
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-08
Sampled: 05/25/11 13:47
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 14:15	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 14:15	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*89*	*1*	*101*	*88.4 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 14:15*	*LAC*	

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Description: MW-18
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-08
Sampled: 05/25/11 13:47
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.255**	IV	ug/L	1	0.216	0.600	1E31013	EPA 7470A	06/02/11 13:55	LTS	J-01

Description: MW-18 | **Lab Sample ID:** B102552-08 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:47 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**129**		ug/L	5	33.5	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Beryllium [7440-41-7] ^	**5.55**		ug/L	5	0.500	5.00	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Cadmium [7440-43-9] ^	1.85	U	ug/L	5	1.85	5.00	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Chromium [7440-47-3] ^	**376**		ug/L	5	6.50	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Copper [7440-50-8] ^	**176**		ug/L	5	7.50	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Lead [7439-92-1] ^	**117**		ug/L	5	14.5	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Nickel [7440-02-0] ^	**326**		ug/L	5	5.50	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Selenium [7782-49-2] ^	44.5	U	ug/L	5	44.5	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Silver [7440-22-4] ^	7.50	U	ug/L	5	7.50	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	
Zinc [7440-66-6] ^	**804**		ug/L	5	17.5	50.0	1E27013	EPA 6010C	05/31/11 12:09	ACV	

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Description: MW-18
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-08
Sampled: 05/25/11 13:47
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 12:00	sma	

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Description: MW-18 | **Lab Sample ID:** B102552-08 | **Received:** 05/26/11 10:15

Matrix: Ground Water | **Sampled:** 05/25/11 13:47 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**1.73**	I	ug/L	1	0.950	20.0	1E27011	EPA 6020A	06/01/11 00:13	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	06/01/11 00:13	JMA	

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Description: MW-18
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-08
Sampled: 05/25/11 13:47
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	**0.028**	I	mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 18:19	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0893*	*1*	*0.100*	*89 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 18:19*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: RINSE BLANK | **Lab Sample ID:** B102552-09 | **Received:** 05/26/11 10:15
Matrix: Ground Water | **Sampled:** 05/25/11 11:15 | **Work Order:** B102552
Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	

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Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 20:19	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 20:19*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*109 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 20:19*	*GMB*	
Toluene-d8	*59*	*1*	*50.0*	*118 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 20:19*	*GMB*	

Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Non-Halogenated Volatile Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ethylene Glycol [107-21-1] ^	4.1	U	mg/L	1	4.1	10	1E31009	EPA 8015C	06/02/11 14:41	LAC	
Propylene Glycol [57-55-6] ^	1.8	U	mg/L	1	1.8	10	1E31009	EPA 8015C	06/02/11 14:41	LAC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
1,3-Butylene Glycol	*90*	*1*	*101*	*89.3 %*	*50-150*	*1E31009*	*EPA 8015C*	*06/02/11 14:41*	*LAC*	

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Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Diesel Range Organics by GC

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
DRO (C10-C28) [ECL-0057] ^	0.024	U	mg/L	1	0.024	0.10	1E31007	EPA 8015C	06/01/11 17:04	JSW	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
o-Terphenyl	*0.054*	*1*	*0.0526*	*102 %*	*63-139*	*1E31007*	*EPA 8015C*	*06/01/11 17:04*	*JSW*	

Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0876**	IV	ug/L	1	0.0720	0.200	1E31013	EPA 7470A	06/02/11 13:57	LTS	J-01

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Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	6.70	U	ug/L	1	6.70	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Cadmium [7440-43-9] ^	0.370	U	ug/L	1	0.370	1.00	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Chromium [7440-47-3] ^	1.30	U	ug/L	1	1.30	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Copper [7440-50-8] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Lead [7439-92-1] ^	2.90	U	ug/L	1	2.90	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Nickel [7440-02-0] ^	1.10	U	ug/L	1	1.10	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Selenium [7782-49-2] ^	8.90	U	ug/L	1	8.90	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Silver [7440-22-4] ^	1.50	U	ug/L	1	1.50	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	
Zinc [7440-66-6] ^	3.50	U	ug/L	1	3.50	10.0	1E27013	EPA 6010C	05/31/11 12:10	ACV	

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Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Hexavalent Chromium [1854-02-99] ^	0.004	U	mg/L	1	0.004	0.030	1E26010	SM18 3500 Cr-D	05/26/11 10:30	sma	
Oil & Grease (HEM) [C-0007] ^	3.00	U	mg/L	1	3.00	5.00	1E26011	EPA 1664A	05/31/11 09:25	MJF	

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Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1E27011	EPA 6020A	05/31/11 20:01	JMA	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1E27011	EPA 6020A	05/31/11 20:01	JMA	

Description: RINSE BLANK
Matrix: Ground Water
Project: Cooper Tools

Lab Sample ID: B102552-09
Sampled: 05/25/11 11:15
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Gasoline Range Organics by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
GRO (C6-C10) [ECL-0069] ^	0.011	U	mg/L	1	0.011	0.055	1F01010	EPA 8015C	06/01/11 19:22	bpk	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,5-Dibromotoluene	*0.0831*	*1*	*0.100*	*83 %*	*70-130*	*1F01010*	*EPA 8015C*	*06/01/11 19:22*	*bpk*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 1 | **Lab Sample ID:** B102552-10 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	

Description: TRIP BLANK 1 | **Lab Sample ID:** B102552-10 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 20:53	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 20:53*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 20:53*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*116 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 20:53*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: TRIP BLANK 3 | **Lab Sample ID:** B102552-12 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	

Description: TRIP BLANK 3
Matrix: Water
Project: Cooper Tools

Lab Sample ID: B102552-12
Sampled: 05/25/11 00:00
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 21:28	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*99 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 21:28*	*GMB*	
Dibromofluoromethane	*53*	*1*	*50.0*	*105 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 21:28*	*GMB*	
Toluene-d8	*59*	*1*	*50.0*	*118 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 21:28*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 4 | **Lab Sample ID:** B102552-13 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	

Description: TRIP BLANK 4
Matrix: Water
Project: Cooper Tools

Lab Sample ID: B102552-13
Sampled: 05/25/11 00:00
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 22:02	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 22:02*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 22:02*	*GMB*	
Toluene-d8	*59*	*1*	*50.0*	*118 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 22:02*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 5 | **Lab Sample ID:** B102552-14 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	

Description: TRIP BLANK 5 | **Lab Sample ID:** B102552-14 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 22:37	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 22:37*	*GMB*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 22:37*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*117 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 22:37*	*GMB*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: TRIP BLANK 6 | **Lab Sample ID:** B102552-15 | **Received:** 05/26/11 10:15

Matrix: Water | **Sampled:** 05/25/11 00:00 | **Work Order:** B102552

Project: Cooper Tools | **Sampled By:** Danny Hefner

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,1,1-Trichloroethane [71-55-6] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,1-Dichloroethane [75-34-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,1-Dichloropropene [563-58-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2,3-Trichlorobenzene [87-61-6] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2,3-Trichloropropane [96-18-4] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2,4-Trichlorobenzene [120-82-1] ^	0.41	U	ug/L	1	0.41	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2,4-Trimethylbenzene [95-63-6] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.60	U	ug/L	1	0.60	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2-Dichlorobenzene [95-50-1] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2-Dichloroethane [107-06-2] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,2-Dichloropropane [78-87-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,3,5-Trimethylbenzene [108-67-8] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,3-Dichlorobenzene [541-73-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,3-Dichloropropane [142-28-9] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
1,4-Dichlorobenzene [106-46-7] ^	0.23	U	ug/L	1	0.23	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
2,2-Dichloropropane [594-20-7] ^	0.40	U	ug/L	1	0.40	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
2-Butanone [78-93-3] ^	0.38	U	ug/L	1	0.38	5.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
2-Chlorotoluene [95-49-8] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
2-Hexanone [591-78-6] ^	0.50	U	ug/L	1	0.50	5.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
4-Chlorotoluene [106-43-4] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
4-Isopropyltoluene [99-87-6] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
4-Methyl-2-pentanone [108-10-1] ^	1.0	U	ug/L	1	1.0	5.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Acetone [67-64-1] ^	1.1	U	ug/L	1	1.1	5.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Bromobenzene [108-86-1] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Bromochloromethane [74-97-5] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Bromoform [75-25-2] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Bromomethane [74-83-9] ^	0.64	U	ug/L	1	0.64	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Carbon disulfide [75-15-0] ^	0.24	U	ug/L	1	0.24	5.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Carbon tetrachloride [56-23-5] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Chlorobenzene [108-90-7] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Chloroethane [75-00-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Chloroform [67-66-3] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Chloromethane [74-87-3] ^	0.31	U	ug/L	1	0.31	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
cis-1,2-Dichloroethene [156-59-2] ^	0.22	U	ug/L	1	0.22	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
cis-1,3-Dichloropropene [10061-01-5] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Dibromochloromethane [124-48-1] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Dichlorodifluoromethane [75-71-8] ^	0.29	U	ug/L	1	0.29	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Ethylbenzene [100-41-4] ^	0.26	U	ug/L	1	0.26	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Isopropylbenzene [98-82-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
m,p-Xylenes [108-38-3/106-42-3] ^	0.50	U	ug/L	1	0.50	2.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Methylene chloride [75-09-2] ^	0.62	U	ug/L	1	0.62	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	

Description: TRIP BLANK 6
Matrix: Water
Project: Cooper Tools

Lab Sample ID: B102552-15
Sampled: 05/25/11 00:00
Sampled By: Danny Hefner

Received: 05/26/11 10:15
Work Order: B102552

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NC 442]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Naphthalene [91-20-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
n-Butyl Benzene [104-51-8] ^	0.28	U	ug/L	1	0.28	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
n-Propyl Benzene [103-65-1] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
o-Xylene [95-47-6] ^	0.25	U	ug/L	1	0.25	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
sec-Butylbenzene [135-98-8] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Styrene [100-42-5] ^	0.32	U	ug/L	1	0.32	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
tert-Butylbenzene [98-06-6] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Tetrachloroethene [127-18-4] ^	0.21	U	ug/L	1	0.21	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Toluene [108-88-3] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
trans-1,2-Dichloroethene [156-60-5] ^	0.30	U	ug/L	1	0.30	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
trans-1,3-Dichloropropene [10061-02-6] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Trichloroethene [79-01-6] ^	0.24	U	ug/L	1	0.24	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Trichlorofluoromethane [75-69-4] ^	0.20	U	ug/L	1	0.20	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Vinyl chloride [75-01-4] ^	0.33	U	ug/L	1	0.33	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	
Xylenes (Total) [1330-20-7] ^	0.50	U	ug/L	1	0.50	1.0	1F01011	EPA 8260B	06/01/11 23:11	GMB	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*62-132*	*1F01011*	*EPA 8260B*	*06/01/11 23:11*	*GMB*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*73-134*	*1F01011*	*EPA 8260B*	*06/01/11 23:11*	*GMB*	
Toluene-d8	*58*	*1*	*50.0*	*117 %*	*66-138*	*1F01011*	*EPA 8260B*	*06/01/11 23:11*	*GMB*	

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QUALITY CONTROL

Gasoline Range Organics by GC - Quality Control

Batch 1F01010 - EPA 5030B

Blank (1F01010-BLK1) Prepared: 06/01/2011 10:12 Analyzed: 06/01/2011 11:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.011	U	0.055	mg/L							
Surrogate: 2,5-Dibromotoluene	*0.0916*			*mg/L*	*0.100*		*92*	*70-130*			

LCS (1F01010-BS1) Prepared: 06/01/2011 10:12 Analyzed: 06/01/2011 12:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.499		0.055	mg/L	0.500		100	58-152			
Surrogate: 2,5-Dibromotoluene	*0.0944*			*mg/L*	*0.100*		*94*	*70-130*			

Matrix Spike (1F01010-MS1) Prepared: 06/01/2011 10:12 Analyzed: 06/01/2011 22:30

Source: B102552-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.510		0.055	mg/L	0.500	0.011 U	102	20-185			
Surrogate: 2,5-Dibromotoluene	*0.0843*			*mg/L*	*0.100*		*84*	*70-130*			

Matrix Spike Dup (1F01010-MSD1) Prepared: 06/01/2011 10:12 Analyzed: 06/01/2011 23:01

Source: B102552-09

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO (C6-C10)	0.536		0.055	mg/L	0.500	0.011 U	107	20-185	5	26	
Surrogate: 2,5-Dibromotoluene	*0.0839*			*mg/L*	*0.100*		*84*	*70-130*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1F01011 - EPA 5030B_MS

Blank (1F01011-BLK1) Prepared: 06/01/2011 09:53 Analyzed: 06/01/2011 16:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.20	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.32	U	1.0	ug/L							
1,1,2-Trichloroethane	0.40	U	1.0	ug/L							
1,1-Dichloroethane	0.30	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.21	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.50	U	1.0	ug/L							
1,2,3-Trichloropropane	0.30	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.41	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.28	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.60	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
1,2-Dichlorobenzene	0.24	U	1.0	ug/L							
1,2-Dichloroethane	0.28	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1F01011 - EPA 5030B_MS

Blank (1F01011-BLK1) Continued Prepared: 06/01/2011 09:53 Analyzed: 06/01/2011 16:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	0.30	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.26	U	1.0	ug/L							
1,3-Dichlorobenzene	0.27	U	1.0	ug/L							
1,3-Dichloropropane	0.25	U	1.0	ug/L							
1,4-Dichlorobenzene	0.23	U	1.0	ug/L							
2,2-Dichloropropane	0.40	U	1.0	ug/L							
2-Butanone	0.38	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	1.5	U	5.0	ug/L							
2-Chlorotoluene	0.33	U	1.0	ug/L							
2-Hexanone	0.50	U	5.0	ug/L							
4-Chlorotoluene	0.22	U	1.0	ug/L							
4-Isopropyltoluene	0.29	U	1.0	ug/L							
4-Methyl-2-pentanone	1.0	U	5.0	ug/L							
Acetone	**1.6**	**I**	5.0	ug/L							O-01
Benzene	0.27	U	1.0	ug/L							
Bromobenzene	0.26	U	1.0	ug/L							
Bromochloromethane	0.28	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
Bromoform	0.33	U	1.0	ug/L							
Bromomethane	0.64	U	1.0	ug/L							
Carbon disulfide	0.24	U	5.0	ug/L							
Carbon tetrachloride	0.20	U	1.0	ug/L							
Chlorobenzene	0.24	U	1.0	ug/L							
Chloroethane	0.31	U	1.0	ug/L							
Chloroform	0.21	U	1.0	ug/L							
Chloromethane	0.31	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.22	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.35	U	1.0	ug/L							
Dibromochloromethane	0.27	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.26	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.20	U	1.0	ug/L							
m,p-Xylenes	0.50	U	2.0	ug/L							
Methylene chloride	0.62	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.24	U	1.0	ug/L							
Naphthalene	0.30	U	1.0	ug/L							
n-Butyl Benzene	0.28	U	1.0	ug/L							
n-Propyl Benzene	0.20	U	1.0	ug/L							
o-Xylene	0.25	U	1.0	ug/L							
sec-Butylbenzene	0.20	U	1.0	ug/L							
Styrene	0.32	U	1.0	ug/L							
tert-Butylbenzene	0.21	U	1.0	ug/L							
Tetrachloroethene	0.21	U	1.0	ug/L							
Toluene	0.30	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.30	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.33	U	1.0	ug/L							
Trichloroethene	0.24	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1F01011 - EPA 5030B_MS

Blank (1F01011-BLK1) Continued Prepared: 06/01/2011 09:53 Analyzed: 06/01/2011 16:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichlorofluoromethane	0.20	U	1.0	ug/L							
Vinyl chloride	0.33	U	1.0	ug/L							
Xylenes (Total)	0.50	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*105*	*62-132*			
Surrogate: Dibromofluoromethane	*57*			*ug/L*	*50.0*		*113*	*73-134*			
Surrogate: Toluene-d8	*59*			*ug/L*	*50.0*		*118*	*66-138*			

LCS (1F01011-BS1) Prepared: 06/01/2011 09:53 Analyzed: 06/01/2011 17:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0		117	51-145			
Benzene	23		1.0	ug/L	20.0		113	76-120			
Chlorobenzene	20		1.0	ug/L	20.0		100	80-124			
Toluene	18		1.0	ug/L	20.0		92	78-120			
Trichloroethene	23		1.0	ug/L	20.0		113	80-120			
Surrogate: 4-Bromofluorobenzene	*2600*			*ug/L*	*2500*		*106*	*62-132*			
Surrogate: Dibromofluoromethane	*2800*			*ug/L*	*2500*		*111*	*73-134*			
Surrogate: Toluene-d8	*2800*			*ug/L*	*2500*		*113*	*66-138*			

Matrix Spike (1F01011-MS1) Prepared: 06/01/2011 09:53 Analyzed: 06/01/2011 18:00

Source: B102552-08RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.21 U	140	51-145			
Benzene	22		1.0	ug/L	20.0	0.27 U	112	76-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.24 U	98	80-124			
Toluene	18		1.0	ug/L	20.0	0.30 U	90	78-120			
Trichloroethene	22		1.0	ug/L	20.0	0.24 U	110	80-120			
Surrogate: 4-Bromofluorobenzene	*2600*			*ug/L*	*2500*		*103*	*62-132*			
Surrogate: Dibromofluoromethane	*2800*			*ug/L*	*2500*		*112*	*73-134*			
Surrogate: Toluene-d8	*2800*			*ug/L*	*2500*		*112*	*66-138*			

Matrix Spike Dup (1F01011-MSD1) Prepared: 06/01/2011 09:53 Analyzed: 06/01/2011 18:34

Source: B102552-08RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.21 U	142	51-145	1	16	
Benzene	23		1.0	ug/L	20.0	0.27 U	115	76-120	3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.24 U	99	80-124	1	19	
Toluene	19		1.0	ug/L	20.0	0.30 U	94	78-120	5	24	
Trichloroethene	23		1.0	ug/L	20.0	0.24 U	113	80-120	2	18	
Surrogate: 4-Bromofluorobenzene	*2700*			*ug/L*	*2500*		*106*	*62-132*			
Surrogate: Dibromofluoromethane	*2900*			*ug/L*	*2500*		*116*	*73-134*			
Surrogate: Toluene-d8	*2900*			*ug/L*	*2500*		*115*	*66-138*			

Non-Halogenated Volatile Organics by GC - Quality Control

QUALITY CONTROL

Batch 1E31009 - NO PREP ANALYTIX

Blank (1E31009-BLK1) Prepared: 05/31/2011 10:08 Analyzed: 06/02/2011 12:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	4.1	U	10	mg/L							
Propylene Glycol	1.8	U	10	mg/L							
Surrogate: 1,3-Butylene Glycol	*99*			*mg/L*	*101*		*97.6*	*50-150*			

LCS (1E31009-BS1) Prepared: 05/31/2011 10:08 Analyzed: 06/02/2011 12:26

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	93		10	mg/L	100		92.7	70-130			
Propylene Glycol	95		10	mg/L	99.5		95.4	70-130			
Surrogate: 1,3-Butylene Glycol	*98*			*mg/L*	*101*		*97.1*	*50-150*			

Matrix Spike (1E31009-MS1) Prepared: 05/31/2011 10:08 Analyzed: 06/02/2011 12:37

Source: B102552-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	120		10	mg/L	100	4.1 U	120	70-130			
Propylene Glycol	120		10	mg/L	99.5	1.8 U	122	70-130			
Surrogate: 1,3-Butylene Glycol	*96*			*mg/L*	*101*		*95.0*	*50-150*			

Matrix Spike Dup (1E31009-MSD1) Prepared: 05/31/2011 10:08 Analyzed: 06/02/2011 12:48

Source: B102552-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethylene Glycol	120		10	mg/L	100	4.1 U	119	70-130	0.579	25	
Propylene Glycol	120		10	mg/L	99.5	1.8 U	121	70-130	0.468	25	
Surrogate: 1,3-Butylene Glycol	*97*			*mg/L*	*101*		*95.8*	*50-150*			

Diesel Range Organics by GC - Quality Control

Batch 1E31007 - EPA 3510C

Blank (1E31007-BLK1) Prepared: 05/31/2011 10:00 Analyzed: 06/01/2011 11:58

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	0.024	U	0.10	mg/L							
Surrogate: o-Terphenyl	*0.053*			*mg/L*	*0.0500*		*105*	*63-139*			

LCS (1E31007-BS1) Prepared: 05/31/2011 10:00 Analyzed: 06/01/2011 12:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	1.3		0.10	mg/L	1.00		129	44-133			
Surrogate: o-Terphenyl	*0.050*			*mg/L*	*0.0500*		*101*	*63-139*			

Matrix Spike (1E31007-MS1) Prepared: 05/31/2011 10:00 Analyzed: 06/01/2011 12:45

Source: B102487-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Diesel Range Organics by GC - Quality Control

Batch 1E31007 - EPA 3510C

Matrix Spike (1E31007-MS1) Continued Prepared: 05/31/2011 10:00 Analyzed: 06/01/2011 12:45

Source: B102487-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	1.1		0.10	mg/L	1.00	0.024 U	111	44-133			
Surrogate: o-Terphenyl	*0.050*			*mg/L*	*0.0500*		*100*	*63-139*			

Matrix Spike Dup (1E31007-MSD1) Prepared: 05/31/2011 10:00 Analyzed: 06/01/2011 13:09

Source: B102487-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
DRO (C10-C28)	0.94		0.10	mg/L	1.00	0.024 U	94	44-133	17	30	
Surrogate: o-Terphenyl	*0.050*			*mg/L*	*0.0500*		*101*	*63-139*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1E31013 - EPA 7470A

Blank (1E31013-BLK1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	**0.0944**	**I**	0.200	ug/L							

LCS (1E31013-BS1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.08		0.200	ug/L	5.00		102	85-115			

Matrix Spike (1E31013-MS1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:41

Source: B102564-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.19		0.200	ug/L	5.00	0.0857	102	85-115			

Matrix Spike Dup (1E31013-MSD1) Prepared: 06/01/2011 13:00 Analyzed: 06/02/2011 13:43

Source: B102564-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.87		0.200	ug/L	5.00	0.0857	96	85-115	6	25	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27013 - EPA 3005A

Blank (1E27013-BLK1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	6.70	U	10.0	ug/L							
Cadmium	0.370	U	1.00	ug/L							
Chromium	1.30	U	10.0	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27013 - EPA 3005A

Blank (1E27013-BLK1) Continued Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	1.50	U	10.0	ug/L							
Nickel	1.10	U	10.0	ug/L							
Selenium	8.90	U	10.0	ug/L							
Silver	1.50	U	10.0	ug/L							

Blank (1E27013-BLK2) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 13:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	0.100	U	1.00	ug/L							
Lead	2.90	U	10.0	ug/L							
Zinc	3.50	U	10.0	ug/L							

LCS (1E27013-BS1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:30

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	473		10.0	ug/L	500		95	85-115			
Beryllium	49.2		1.00	ug/L	50.0		98	85-115			
Cadmium	50.4		1.00	ug/L	50.0		101	85-115			
Chromium	489		10.0	ug/L	500		98	85-115			
Copper	494		10.0	ug/L	500		99	85-115			
Lead	489		10.0	ug/L	500		98	85-115			
Nickel	479		10.0	ug/L	500		96	85-115			
Selenium	475		10.0	ug/L	500		95	85-115			
Silver	102		10.0	ug/L	100		102	85-115			
Zinc	480		10.0	ug/L	500		96	85-115			

Matrix Spike (1E27013-MS1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:32

Source: B102556-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	476		10.0	ug/L	500	6.70 U	95	80-120			
Beryllium	49.4		1.00	ug/L	50.0	0.137	98	80-120			
Cadmium	50.0		1.00	ug/L	50.0	0.370 U	100	80-120			
Chromium	489		10.0	ug/L	500	1.30 U	98	80-120			
Copper	495		10.0	ug/L	500	1.50 U	99	80-120			
Lead	485		10.0	ug/L	500	2.90 U	97	80-120			
Nickel	479		10.0	ug/L	500	1.10 U	96	80-120			
Selenium	474		10.0	ug/L	500	8.90 U	95	80-120			
Silver	99.8		10.0	ug/L	100	1.50 U	100	80-120			
Zinc	480		10.0	ug/L	500	3.50 U	96	80-120			

Matrix Spike Dup (1E27013-MSD1) Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:34

Source: B102556-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	478		10.0	ug/L	500	6.70 U	96	80-120	0.5	30	
Beryllium	49.9		1.00	ug/L	50.0	0.137	100	80-120	1	30	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27013 - EPA 3005A

Matrix Spike Dup (1E27013-MSD1) Continued Prepared: 05/27/2011 09:57 Analyzed: 05/31/2011 11:34

Source: B102556-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	50.4		1.00	ug/L	50.0	0.370 U	101	80-120	0.8	30	
Chromium	494		10.0	ug/L	500	1.30 U	99	80-120	1	30	
Copper	501		10.0	ug/L	500	1.50 U	100	80-120	1	30	
Lead	490		10.0	ug/L	500	2.90 U	98	80-120	1	30	
Nickel	481		10.0	ug/L	500	1.10 U	96	80-120	0.4	30	
Selenium	473		10.0	ug/L	500	8.90 U	95	80-120	0.3	30	
Silver	101		10.0	ug/L	100	1.50 U	101	80-120	2	30	
Zinc	486		10.0	ug/L	500	3.50 U	97	80-120	1	30	

Batch 1E31004 - EPA 3005A

Blank (1E31004-BLK1) Prepared: 05/31/2011 09:20 Analyzed: 06/01/2011 12:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	6.70	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.370	U	1.00	ug/L							
Chromium	1.30	U	10.0	ug/L							
Copper	1.50	U	10.0	ug/L							
Lead	2.90	U	10.0	ug/L							
Nickel	1.10	U	10.0	ug/L							
Selenium	8.90	U	10.0	ug/L							
Silver	1.50	U	10.0	ug/L							
Zinc	3.50	U	10.0	ug/L							

LCS (1E31004-BS1) Prepared: 05/31/2011 09:20 Analyzed: 06/01/2011 12:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	500		10.0	ug/L	500		100	85-115			
Beryllium	50.7		1.00	ug/L	50.0		101	85-115			
Cadmium	51.6		1.00	ug/L	50.0		103	85-115			
Chromium	498		10.0	ug/L	500		100	85-115			
Copper	498		10.0	ug/L	500		100	85-115			
Lead	506		10.0	ug/L	500		101	85-115			
Nickel	496		10.0	ug/L	500		99	85-115			
Selenium	500		10.0	ug/L	500		100	85-115			
Silver	99.8		10.0	ug/L	100		100	85-115			
Zinc	512		10.0	ug/L	500		102	85-115			

Matrix Spike (1E31004-MS1) Prepared: 05/31/2011 09:20 Analyzed: 06/01/2011 12:24

Source: B102448-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	518		10.0	ug/L	500	6.70 U	104	80-120			
Beryllium	52.5		1.00	ug/L	50.0	0.100 U	105	80-120			
Cadmium	52.4		1.00	ug/L	50.0	0.370 U	105	80-120			
Chromium	509		10.0	ug/L	500	1.30 U	102	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E31004 - EPA 3005A

Matrix Spike (1E31004-MS1) Continued Prepared: 05/31/2011 09:20 Analyzed: 06/01/2011 12:24

Source: B102448-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	512		10.0	ug/L	500	7.12	101	80-120			
Lead	512		10.0	ug/L	500	2.90 U	102	80-120			
Nickel	505		10.0	ug/L	500	1.10 U	101	80-120			
Selenium	512		10.0	ug/L	500	8.90 U	102	80-120			
Silver	101		10.0	ug/L	100	1.50 U	101	80-120			
Zinc	551		10.0	ug/L	500	34.0	103	80-120			

Matrix Spike Dup (1E31004-MSD1) Prepared: 05/31/2011 09:20 Analyzed: 06/01/2011 12:26

Source: B102448-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	520		10.0	ug/L	500	6.70 U	104	80-120	0.4	30	
Beryllium	52.5		1.00	ug/L	50.0	0.100 U	105	80-120	0.05	30	
Cadmium	52.5		1.00	ug/L	50.0	0.370 U	105	80-120	0.3	30	
Chromium	510		10.0	ug/L	500	1.30 U	102	80-120	0.3	30	
Copper	513		10.0	ug/L	500	7.12	101	80-120	0.2	30	
Lead	513		10.0	ug/L	500	2.90 U	103	80-120	0.2	30	
Nickel	506		10.0	ug/L	500	1.10 U	101	80-120	0.2	30	
Selenium	511		10.0	ug/L	500	8.90 U	102	80-120	0.2	30	
Silver	99.2		10.0	ug/L	100	1.50 U	99	80-120	2	30	
Zinc	552		10.0	ug/L	500	34.0	104	80-120	0.2	30	

Classical Chemistry Parameters - Quality Control

Batch 1E26010 - Same

Blank (1E26010-BLK1) Prepared: 05/26/2011 11:27 Analyzed: 05/26/2011 12:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.004	U	0.030	mg/L							

LCS (1E26010-BS1) Prepared: 05/26/2011 11:27 Analyzed: 05/26/2011 12:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.24		0.030	mg/L	0.250		98	80-125			

Matrix Spike (1E26010-MS2) Prepared: 05/26/2011 11:27 Analyzed: 05/26/2011 12:00

Source: B102552-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	0.99		0.15	mg/L	1.25	0.021 U	79	80-120			QM-07

Matrix Spike Dup (1E26010-MSD2) Prepared: 05/26/2011 11:27 Analyzed: 05/26/2011 12:00

Source: B102552-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1E26010 - Same

Matrix Spike Dup (1E26010-MSD2) Continued Prepared: 05/26/2011 11:27 Analyzed: 05/26/2011 12:00

Source: B102552-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Hexavalent Chromium	1.1		0.15	mg/L	1.25	0.021 U	86	80-120	8	25	

Batch 1E26011 - EPA 1664A

Blank (1E26011-BLK1) Prepared: 05/26/2011 13:18 Analyzed: 05/31/2011 09:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	3.00	U	5.00	mg/L							

LCS (1E26011-BS1) Prepared: 05/26/2011 13:18 Analyzed: 05/31/2011 09:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	35.7		5.00	mg/L	41.3		87	78-114			

Matrix Spike (1E26011-MS1) Prepared: 05/26/2011 13:18 Analyzed: 05/31/2011 09:25

Source: B102487-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	33.1		5.00	mg/L	40.6	3.00 U	82	78-114			

Matrix Spike Dup (1E26011-MSD1) Prepared: 05/26/2011 13:18 Analyzed: 05/31/2011 09:25

Source: B102487-03

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Oil & Grease (HEM)	34.0		5.00	mg/L	40.7	3.00 U	84	78-114	3	18	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E27011 - EPA 3005A

Blank (1E27011-BLK2) Prepared: 05/27/2011 13:12 Analyzed: 05/31/2011 18:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0950	U	2.00	ug/L							
Thallium	0.0410	U	0.100	ug/L							

Post Spike (1E27011-PS1) Prepared: 05/31/2011 12:00 Analyzed: 05/31/2011 18:55

Source: B102552-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	4.87		2.00	ug/L	4.90	0.0163	99	75-125			
Thallium	4.85		0.100	ug/L	4.90	-0.00265	99	75-125			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
FILT	The sample was filtered prior to analysis.
J-01	Result is estimated due to positive results in the associated method blank.
O-01	This compound is a common laboratory contaminant.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-13	Suspected matrix effects

ENVIRONMENTAL CONSERVATION LABORATORIES
10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515
www.encolabs.com

CHAIN-OF-CUSTODY RECORD

B102269 Page ___ of ___

Client Name: Shield Engineering, Inc. (SH007)	Project Number: [none]
Address: 4301 Taggart Creek Road	Project Name/Desc: Cooper Tools
City, ST, Zip: Charlotte, NC 28208	PO # / Billing Info
Tel: (704) 971-4149 Fax: (704) 394-6968	Reporting Contact: Mr. Dave Wallace
Sampler(s) Name, Affiliation (Print): DANNY HEFNER / CHRIS NAGY / SHIELD	Billing Contact: Mr. Dave Wallace
Sampler(s) Signature:	Site Location / Time Zone: N.C.

Requested Analyses

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8015 DAI	8260B	Ag,As,Be,Cd,Cr,Cu,Ni,Pb,Sb,Se,Tl,Zn	CrVI	DRO 8015C	GRO 8015C	Hg	O&G 1664A	Solids, Dry Weight	
							Preservation (See Codes) (Combine as necessary)									
	MW-9	5-25-11	1257	GRAB	GW	14	X	X	X	X	X	X	X	X		
	MW-9D		1317		GW	14	X	X	X	X	X	X	X	X		
	MW-11		1421		GW	14	X	X	X	X	X	X	X	X		
	MW-14		1246		GW	14	X	X	X	X	X	X	X	X		
	MW-15		1320		GW	14	X	X	X	X	X	X	X	X		
	MW-16		1430		GW	14	X	X	X	X	X	X	X	X		
	MW-17		1350		GW	14	X	X	X	X	X	X	X	X		
	MW-18		1347		GW	11	X	X	X	X		X	X			
	RINSE BLANK		1115		W7	14	X	X	X	X	X	X	X	X		
	TRIP BLANK				W7	2										

<-- Total # of Containers

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~B102269~~ 5-26-11

Sample Comments

Sample Kit Prepared By: KK	Date/Time: 5-7-11 0900	Relinquished By: Kristi Kelly	Date/Time: 5-7-11 0900	Received By:	Date/Time:
Comments/Special Reporting Requirements:		Relinquished By:	Date/Time: 5/25/11 1710	Received By: Susan Pusey	Date/Time: 5/25/11 1710
		Relinquished By:	Date/Time:	Received By:	Date/Time: 5/26/11 1015

Cooler #'s & Temps on Receipt: JX-7@1.0°C RED@4.5°C C-319@1.3°C JX-1@0.6°C L-040@1.5°C C-339@1.1°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements ex st

www.encolabs.com

APPENDIX C

Grumman Exploration, Inc.
2309 Dorset Road
Columbus, Ohio 43221
(614) 488-7860 tel; (614) 488-8945 fax

Non-destructive Subsurface Exploration
Near-surface Geophysics

July 25, 2011

David Wallace
Shield Engineering, Inc.
4301 Taggart Creek Road
Charlotte, NC 28208

RE: Report of a Geophysical Survey at the Cooper Tools LLC - Monroe Plant Located at 3012 Mason Street in Monroe, North Carolina; GEI Project No. 01-31034

Dear David:

Grumman Exploration, Inc. has completed the geophysical survey using Electromagnetic (EM) Conductivity Profiling at the above referenced manufacturing facility located in Monroe, North Carolina. This report briefly summarizes the results and interpretations. The EM survey identified strong EM responses near the west end of the building on site that appears to indicate the presence of a buried metal structure or debris. No elevated or anomalous responses were noted within elsewhere on site. Some of the investigation areas were densely overgrown and the coverage was limited to the open and accessible areas.

Project Overview
Grumman Exploration, Inc. conducted an EM survey within three general regions at the Cooper Tools - Monroe, NC plant. The three general investigation areas area summarized on Figure 1 and included:

- Northwest Area: Parking lot and grassy areas along Mason Street and Spud Smith Streets, northwest of the main facility entrance and offices;
- Northeast Area: Grassy open field and adjacent wooded area; and
- South Area: Former lagoon, densely wooded and overgrown region south of the facility fence and north of Stitt Street.

The southwest and southeast corners of the site consist of densely vegetated and wooded steep slopes with difficult access conditions. The ground surface varies between grass and low weeds with a few areas containing patches with dense, tall weeds and brush. According to information available to Shield Engineering, Inc., elevated levels of solvent compounds have been detected in several monitoring wells at the property. The source of the solvents is unknown and there is concern that substances were disposed somewhere at the property. Items of particular interest would include containers (e.g. barrels, tanks) of hazardous substances, improperly disposed refuse, and/or other unauthorized waste streams; There is no documentation that any of these disposal activities ever occurred at this site. The EM profiling method was selected to help explore, characterize and map some of these conditions if possible and within the limitations of the instrument and site conditions.

The survey conditions in the three investigation areas varied from open pavement, manicured grass, to densely overgrown and wooded. The northwest investigation area was generally open and consisted of paved parking and driveway areas, grass along with three parked vehicles, several trees and hedges. The western half of the northeast investigation area was an open field with knee to waist high grass and weeds, while the eastern half consisted of dense woods and brush. The south former lagoon area was densely wooded and overgrown with limited access. Survey access in these overgrown areas was severely limited. Consequently, survey coverage was simply not possible in the most overgrown, obstructed and/or steeply sloping areas. The survey of the overgrown areas was limited to open and accessible pathways between trees, brush and dense vegetation. A description of the EM method and its limitations are included in Attachment A. The following paragraphs briefly summarize the methodology and survey parameters used.

Methodology

Frequency-Domain Electromagnetic (FDEM or EM) profiling surveys have been used for decades to non-destructively explore, map and characterize subsurface conditions on the basis of different electrical conductivity responses that can occur between natural and man-made materials in the subsurface. The GSSI GEM-300 conductivity profiling FDEM instrumentation makes two measurements useful for environmental site investigations: (1) soil electrical conductivity (quadrature phase) and (2) in-phase (high-conductivity or metal sensitive). EM conductivity is a useful measurement for mapping spatial variations in soil and fill types based on contrasts in electrical conductivity. Low conductivity (σ) earth materials,

such as a sand and gravel ($\sigma \cong$ 1-20 mS/m typical), can often be distinguished from higher conductivity silts or clays ($\sigma \cong$ 20-70 mS/m). Moisture or water saturation strongly influences a material's conductivity. Many industrial fill types, such as slag, foundry sand, cinders, etc. exhibit elevated EM conductivity levels. The GSSI GEM-300, EMP-400 and similar FDEM instrumentation (e.g. Geonics, Ltd. EM-31 and Geophex, Inc. GEM-2) are often used to help define fill and excavation boundaries based on differences in electrical conductivity between excavated, filled areas and natural, undisturbed areas. The in-phase measurement is most sensitive to buried metallic objects and can be used to locate and map buried reinforced steel structures, underground storage tanks, 55-gallon barrels, utility lines and other buried metallic structures or highly conductive debris. EM conductivity surveys have been used for decades as a reconnaissance-level environmental site investigation tool.

The EM instrumentation operates using specially configured transmitting and receiving coils. A receiving coil measures the subsurface response to EM eddy currents that are induced in the subsurface by the transmitting coils. The induced EM response provides an estimate of the bulk electrical conductivity of a subsurface region centered below the EM instrument. The depth of exploration depends on the coil orientation, operating frequency, target size and host material and target electrical properties. Lower frequencies will penetrate deeper into the subsurface and the *skin-depth* is often used as a guide to the actual penetration distance. According to GSSI [1998], the skin-depth can be summarized as "the depth at which the power in the original signal drops to a predetermined percentage (usually 1/e = 36%) of the power at the surface" for a uniform half-space and without taking any layering into account. Using a skin-depth nomogram provided in GSSI [1998], the estimated exploration depths over a uniform half-space given a conductivity of 100 mS/m for 4,410 Hz, 9810 Hz, and 15,030 Hz are approximately 12.3 m, 10.5 m and 7.0 m, respectively. The GEM-300 allows up to 16 selectable frequency measurements at each survey station that can range from 325 Hz up to 19,975 Hz. Similarly, the lateral resolution of the EM instrumentation will depend in part on the survey station and line spacing, target size, depth and the electrical conductivity of the target and surrounding media. Under normal circumstances it is often difficult to infer accurate target depth estimates from the EM results although some general depth determinations can be made depending on available information regarding site, geologic and target properties. In general, the majority of the EM response is derived from the upper 10-ft to 15-ft of the subsurface.

The GEM-300 profiler is lightweight and portable and requires one field operator. The EM response can be monitored in the field continuously, either numerically or graphically, and recorded electronically. The data are easily downloaded to a PC and both data channels (conductivity and in-phase) can be contoured using commercially available contouring programs.

Limitations to the use of EM arise from a variety of electrical interference sources that include: ambient electrical noise such as occurs in urban or densely developed areas,

thunderstorms and nearby metallic objects at or above the ground surface such as fences, overhead power lines, parked cars, reinforced concrete structures, buried foundation walls, etc. The presence of various metallic surface obstructions can limit or even preclude any interpretation of the EM data in the vicinity of these obstructions. Areas of a site that may be difficult or impossible to survey include: excessively steep slopes, water covered areas, and densely overgrown, wooded or obstructed areas.

Field Procedures

Grumman Exploration, Inc. conducted the EM conductivity surveys at the Cooper Tools LLC - Monroe Plant on May 6 and 7, 2011. Figure 1 illustrates the general site features and the approximate limits of the EM survey coverage for the three investigation areas. Local field survey grids were established over accessible portions of the northwest and northeast investigation areas. For the northwest investigation area, the northwest corner of the office-administration building was used as the local field grid zero reference location (see Figures 2 and 3). The survey grid origin for the west half of the northeast investigation area was the fence post at the northeast corner of the facility (see Figures 4 and 5). The field grids were established using fiberglass measuring tapes and metal pin flags. Following the field survey, the positions of designated EM field grid positions and other site features were measured using a Trimble GeoXH hand-held GPS system with a Zephyr antenna. The GPS coordinates were used to convert (rotate and translate) the geophysical field grid coordinates to the North Carolina State-Plane (3200) geospatial grid. Field grids could not be used in the eastern half of the northeast investigation area or in the southern investigation area because of the dense woods and vegetation. Instead, informal reconnaissance-level EM surveys were performed in the densely overgrown regions, wherein the EM responses were observed and noted on a site diagram but were not recorded.

The EM survey instrumentation consisted of a GSSI, Inc. GEM-300 multi-frequency electromagnetic conductivity profiler system. Vertical dipole quadrature phase (proportional to conductivity) and in-phase (metal sensitive) measurements using a single coil alignment at three frequencies (4,410; Hz, 9,810 Hz and 15,030 Hz) were recorded electronically at each measurement location. The EM survey transect spacing was 10-ft and the in-line measurement interval was approximately 2.2-ft. The EM scans were performed along east-west aligned transects. Over 8,700 measurements of the quadrature and in-phase responses for three frequencies were recorded within the gridded investigation areas during the survey. A reference transect was periodically scanned to monitor the EM instrument drift and stability and provide a basis for correcting thermal drift in the instrumentation as needed.

Following the survey, the data were downloaded to a laptop computer and prepared for contouring. The EM data were contoured using a commercially available program (Surfer, Golden Software, Inc.). The conductivity and in-phase measurements for the 9,810 Hz survey frequency (comparable to the Geonics, Ltd. EM-31 survey frequency of 9,800 Hz) were annotated and are presented as color contour diagrams on Figures 2 through 5. The contoured

results for the 4,410 Hz (deepest depth penetration) and 15,030 Hz (shallowest depth penetration) survey frequencies were generally similar to that for 9,810 Hz and consequently are not presented herein.

The units for the conductivity response are in terms of milli-Siemens per meter (mS/m) and are considered somewhat relative since no actual conductivity calibration location was available on site. The in-phase units are reported in parts per million (ppm). Typically, the relative spatial variation in and the magnitude of the in-phase response are considered the most meaningful parameters for interpretation. The in-phase response is a relative measurement and generally should be close to zero when not in the vicinity of highly conductive or metallic objects. Large conductive metallic objects will tend to induce strong positive conductivity and in-phase responses. Conductive metallic objects at or close to the ground-surface (generally less than ~1-ft, such as reinforced pavement or sidewalks, manhole covers, etc.), generally appear with an erratic but strongly 'negative' in-phase response.

Results and Interpretations

The EM survey results identified few anomalous responses with the exception of a single location near the west end of the west wing of the manufacturing building. Figure 1 illustrates the locations of the investigation areas and the generalized findings. Figures 2 through 5 illustrate the distribution of EM conductivity and in-phase (metal-sensitive) responses over the accessible portions of the northwest and northeast investigation areas.

Northwest Investigation Area (Figures 2 and 3)

An anomalous strong EM 'metal' (in-phase) response was observed near the northwest corner of the west wing of the manufacturing building (1,552,895 E/ 454,095 N). The strength and extent of this anomaly (~6-ft by ~10-ft) suggests a buried metal object or structure at this location. Possible explanations include a small underground tank, reinforced vault or more deeply buried concrete pad, buried metal equipment or a concentration of metal debris. The anomalous structure could also be associated with nearby utility piping, such as the water or sewer lines. Further invasive exploration at this location would be required to determine the actual cause of this anomalous EM response. No additional anomalous strong EM responses were noted elsewhere within the northwest investigation area.

Elevated EM in-phase responses were observed across the grassy region north of the west wing of the manufacturing building (Figure 2). The elevated conductivity readings may indicate localized zones of more conductive fill within the shallow subsurface. The strength of the observed conductivity responses may be attributable to the type and conductivity of the fill, the fill thickness and/or the depth of burial. Examples of conductive fill that could cause the response include general rubble/demolition debris, slag, foundry sand, cinders and metal particulates.

The strong linear EM response observed south of the training building (~1,553,250 – 1,553,400 E/ 454,335 N) appears to indicate a buried metallic pipe, such as a sewer or water line. The close proximity of this interpreted pipe to observed elevated concentrations of soil contamination (MW-8) may be relevant if this pipe or pipe trench serves as a contaminant migration pathway.

Northeast Investigation Area (Figures 4 and 5)
No anomalous EM responses were noted within the gridded and non-gridded regions within the northeast investigation area, including in the vicinity of MW-9. The relatively low and uniform EM conductivity and in-phase levels show no clear indication of zones of high or low conductivity fill or buried metal objects, such as barrels. The observed EM conductivity levels are consistent with the anticipated conductivity for the soil and bedrock conditions at this property. The EM responses over the soil and debris piles within the small clearing near the northwest corner of the investigation area are low and comparable to elsewhere on site. Similarly, no unusual EM responses were noted within the wooded and overgrown regions to the east and north. Because of the dense vegetation, the EM scans in the wooded east and north areas were limited to accessible open areas and pathways. Not all locations within the woods were accessible to the EM survey, although it appears unlikely that significant regions of conductive fill or buried metal would occur within in the dense woods in this area. Strong and highly erratic EM responses are apparent within the open, central area, east of the property fence. It is believed that these erratic EM data 'spikes' represent spurious interference effects caused by the tall grass and weeds brushing against the EM instrumentation. Repeated scans over these areas did not indicate that these responses were caused by conditions or objects below the ground surface, and this interference effect is known to occur when the highly-sensitive EM instrumentation comes into contact with tall grass and brush.

South Investigation Area (Figure 1)
No anomalous strong EM conductivity or in-phase responses were apparent in the densely wooded and overgrown south investigation area. A region of slightly elevated EM conductivity was observed southeast of a small canopy structure located along the southern property fence (Figure 1), although the EM conductivity levels were difficult to distinguish from the surrounding areas. Based on the slightly elevated EM conductivity responses, it is considered possible that this area represents a reported former lagoon. No strong EM 'metal' (in-phase) responses were noted in the accessible portions of the south investigation area, with the exception of near metal debris and wire fencing visible at the ground surface. It should be noted that the dense woods and brush limited the EM scans to open an accessible areas and pathways, and some localized areas could not be scanned at all.

General Qualifications
The EM data presented herein are interpreted. No warranty, certification, or statement of fact, either expressed or implied, regarding actual subsurface conditions within the surveyed areas

is contained herein. If questions or uncertainties exist regarding the presence, absence, quantities or limits of subsurface features, such as excavations, fill, or other buried objects, based on the EM data interpretations, supplemental invasive explorations, such as test pit excavations, borings, hand digging or other geophysical tests, should be conducted to document actual subsurface conditions.

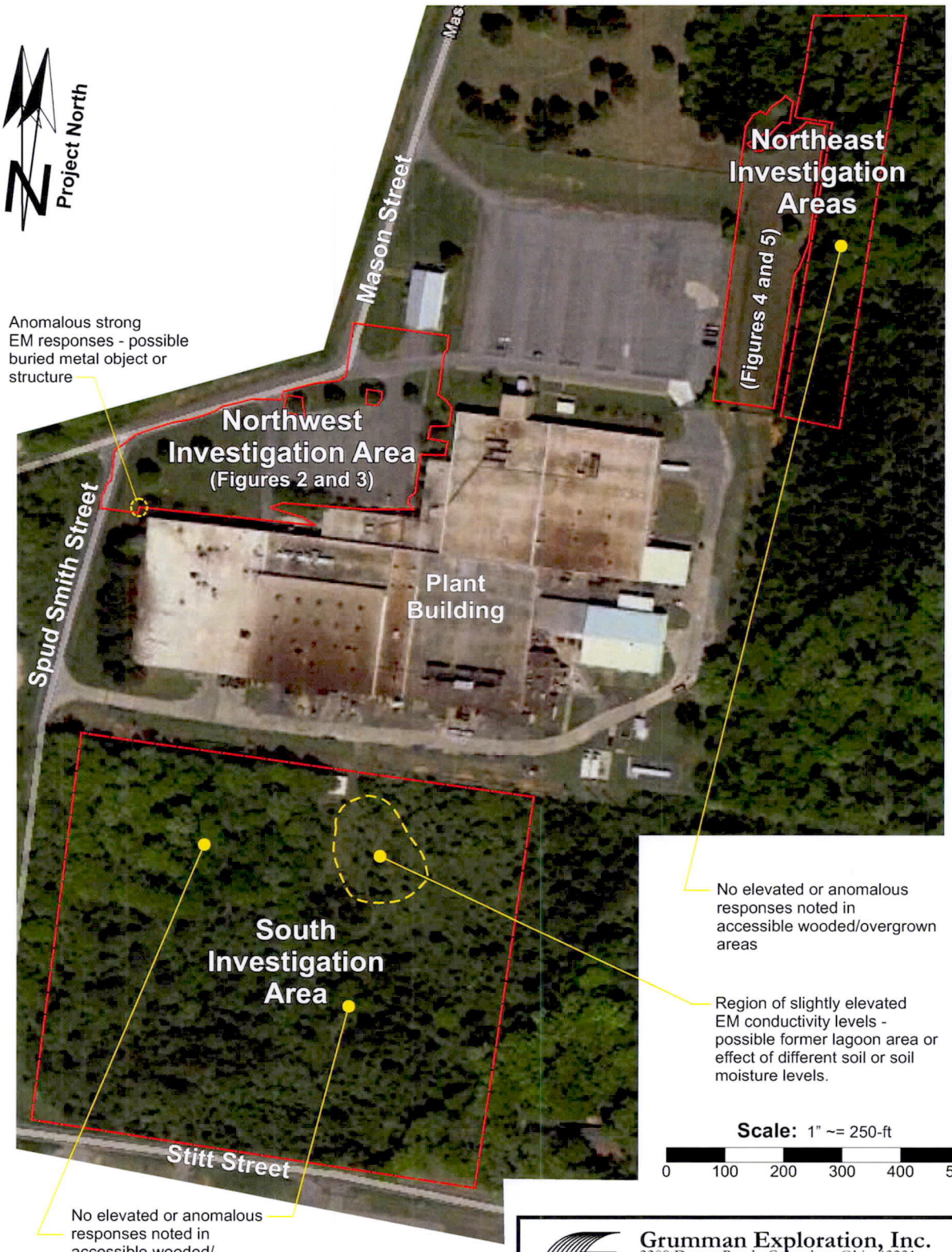
Grumman Exploration has appreciated this opportunity to be of service to Shield Engineering, Inc. If you have any questions or comments regarding this report, please do not hesitate to contact us.

Sincerely,

Grumman Exploration, Inc.

David L. Grumman, Jr.
President/Geophysicist

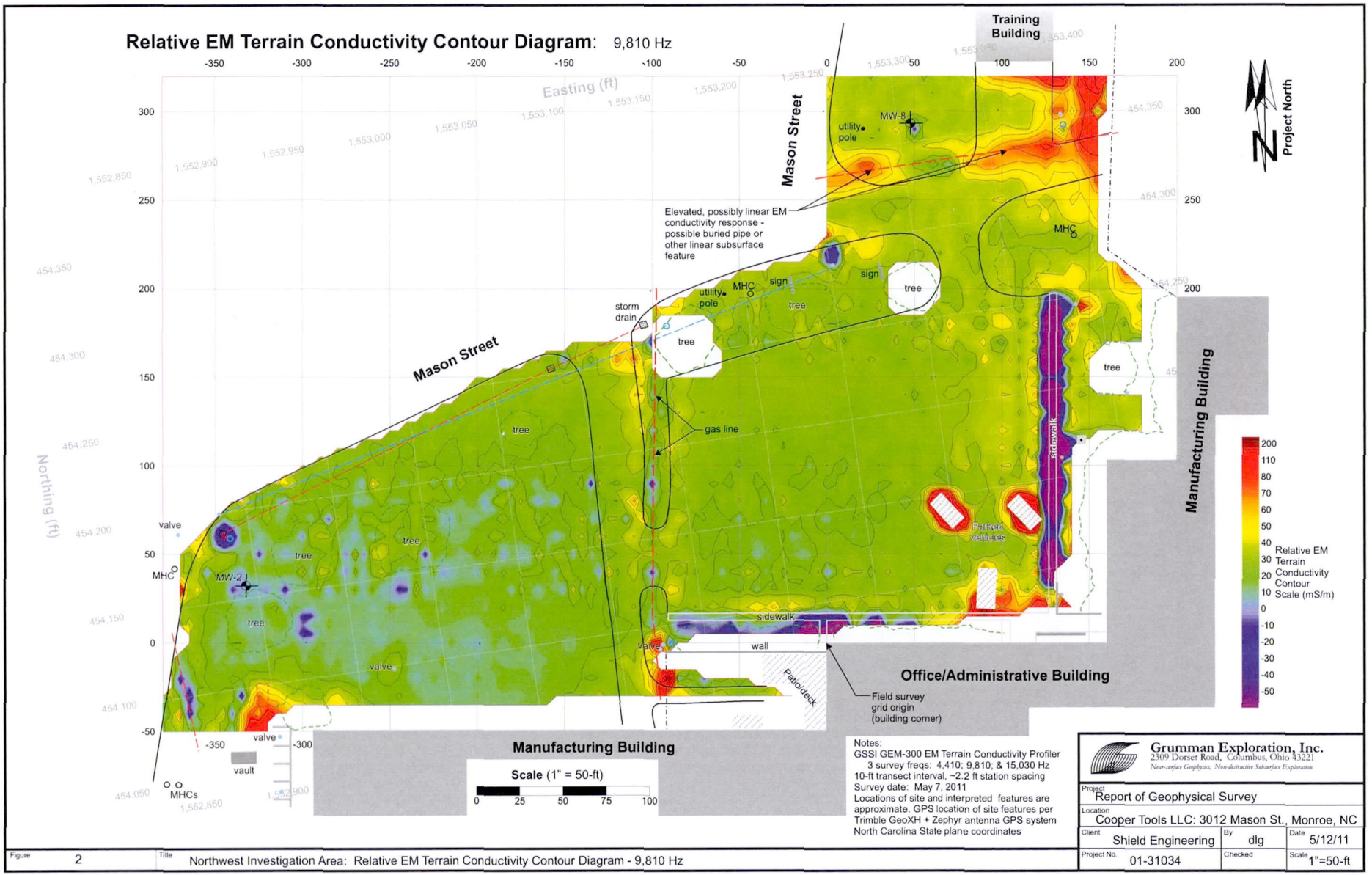
Attachments:
Figures 1 though 5
Overview and Limitations of EM conductivity Profiling



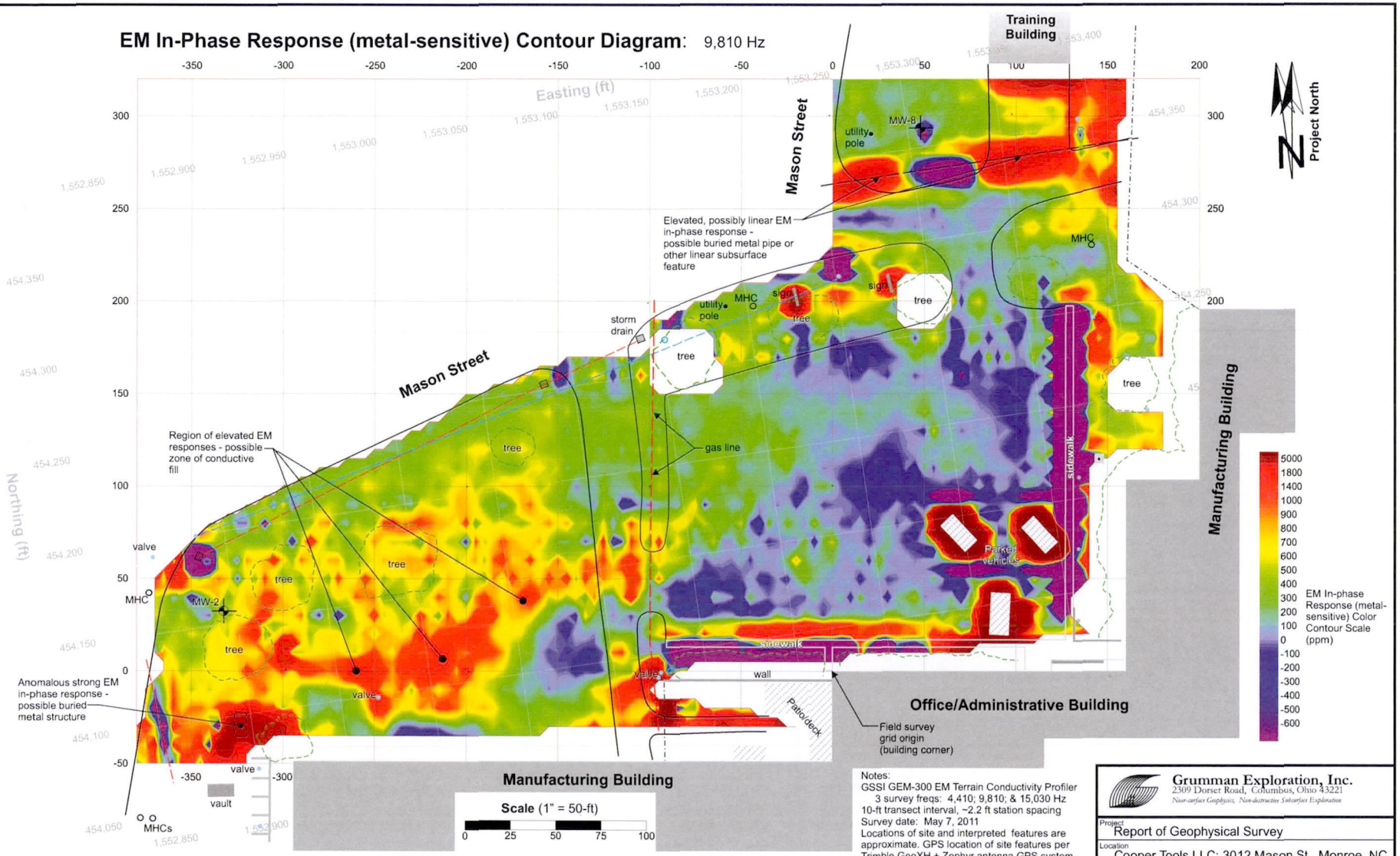
Notes:
GSSI GEM-300 EM Conductivity Profiler
3 survey freqs: 4,410; 9,810; & 15,030 Hz
Survey dates: May 7 & 8, 2011
Locations of site and interpreted features are approximate.

Grumman Exploration, Inc.
2309 Dorset Road, Columbus, Ohio 43221
Near-surface Geophysics, Non-destructive Subsurface Exploration

Project: Report of Geophysical Survey			
Location: Cooper Tools LLC: 3012 Mason St., Monroe, NC			
Client: Shield Engineering	By: dlg	Date: 6/11/11	
Figure: 1	Title: Investigation Areas Overview	Project No.: 01-31034	Checked	Scale: 1"=~250-ft


Relative EM Terrain Conductivity Contour Diagram: 9,810 Hz
Training Building
Mason Street
Mason Street
Project North
MW-8
utility pole
Elevated, possibly linear EM conductivity response - possible buried pipe or other linear subsurface feature
MHC
sign
sign
tree
utility pole
MHC
storm drain
tree
tree
tree
tree
gas line
Sidewalk
Manufacturing Building
Parked vehicles
sidewalk
wall
valve
Patio/deck
Office/Administrative Building
Field survey grid origin (building corner)
valve
MHC
MW-2
tree
tree
tree
tree
valve
valve
vault
MHCs
Manufacturing Building
Scale (1" = 50-ft)
0 25 50 75 100
Easting (ft)
Northing (ft)
Relative EM Terrain Conductivity Contour Scale (mS/m)
200 110 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50
Notes:
GSSI GEM-300 EM Terrain Conductivity Profiler
3 survey freqs: 4,410; 9,810; & 15,030 Hz
10-ft transect interval, ~2.2 ft station spacing
Survey date: May 7, 2011
Locations of site and interpreted features are approximate. GPS location of site features per Trimble GeoXH + Zephyr antenna GPS system
North Carolina State plane coordinates
Grumman Exploration, Inc.
2309 Dorset Road, Columbus, Ohio 43221
Near-surface Geophysics, Non-destructive Subsurface Exploration
Project Report of Geophysical Survey
Location Cooper Tools LLC: 3012 Mason St., Monroe, NC
Client Shield Engineering
By dlg
Date 5/12/11
Project No. 01-31034
Checked
Scale 1"=50-ft
Figure 2
Title Northwest Investigation Area: Relative EM Terrain Conductivity Contour Diagram - 9,810 Hz

EM In-Phase Response (metal-sensitive) Contour Diagram: 9,810 Hz



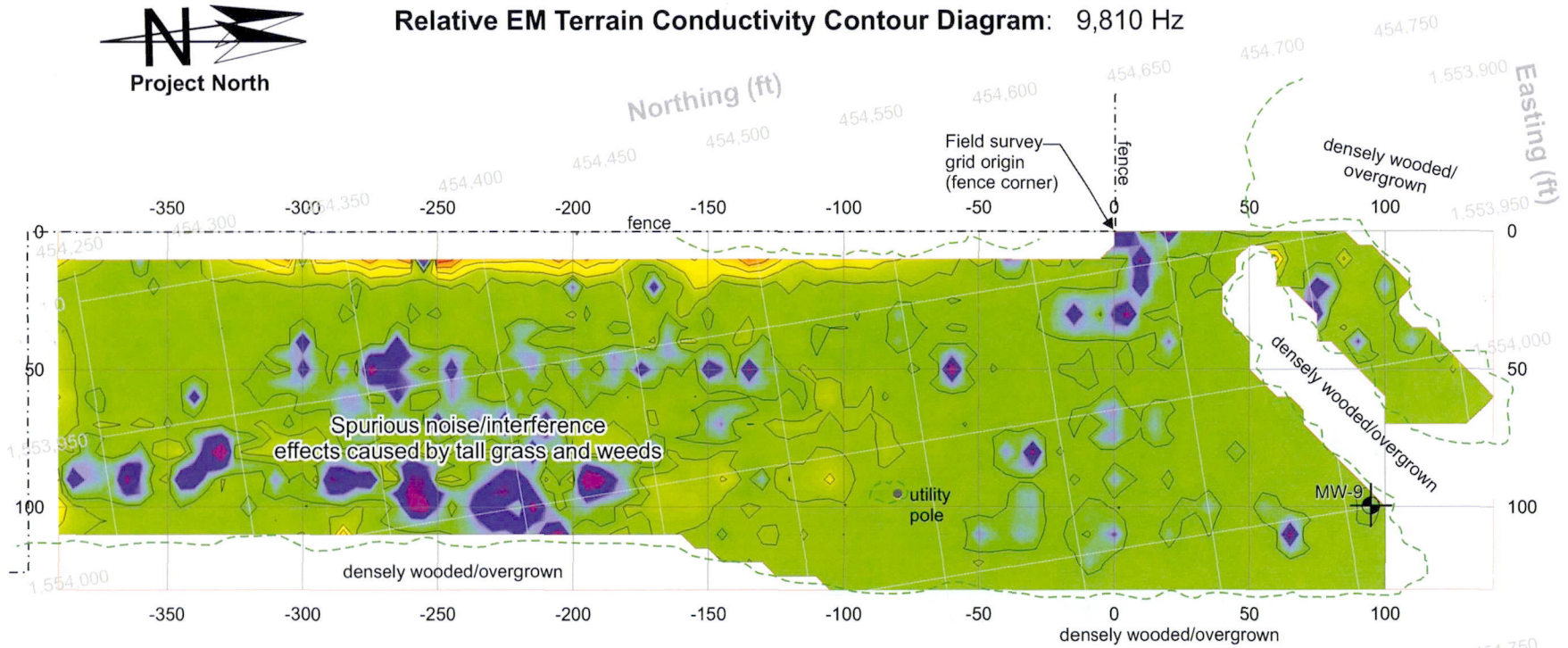
Notes:
GSSI GEM-300 EM Terrain Conductivity Profiler
3 survey freqs: 4,410; 9,810; & 15,030 Hz
10-ft transect interval, ~2.2 ft station spacing
Survey date: May 7, 2011
Locations of site and interpreted features are approximate. GPS location of site features per Trimble GeoXH + Zephyr antenna GPS system
North Carolina State plane coordinates

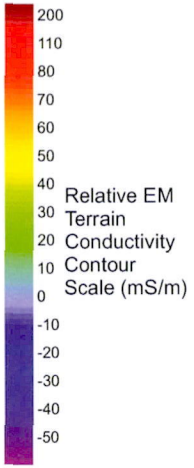
Grumman Exploration, Inc.
2309 Dorset Road, Columbus, Ohio 43221
Near-surface Geophysics, Non-destructive Subsurface Exploration

Project: Report of Geophysical Survey			
Location: Cooper Tools LLC: 3012 Mason St., Monroe, NC			
Client: Shield Engineering	By: dlg	Date: 5/12/11	
Project No.: 01-31034	Checked	Scale: 1"=50-ft	

Figure 3 — Title: Northwest Investigation Area: EM In-Phase Response (metal-sensitive) Contour Diagram: 9,810 Hz

Relative EM Terrain Conductivity Contour Diagram: 9,810 Hz





No elevated or anomalous EM responses noted in accessible areas within woods

Scale (1" = 60-ft)

0 20 40 60 80 100

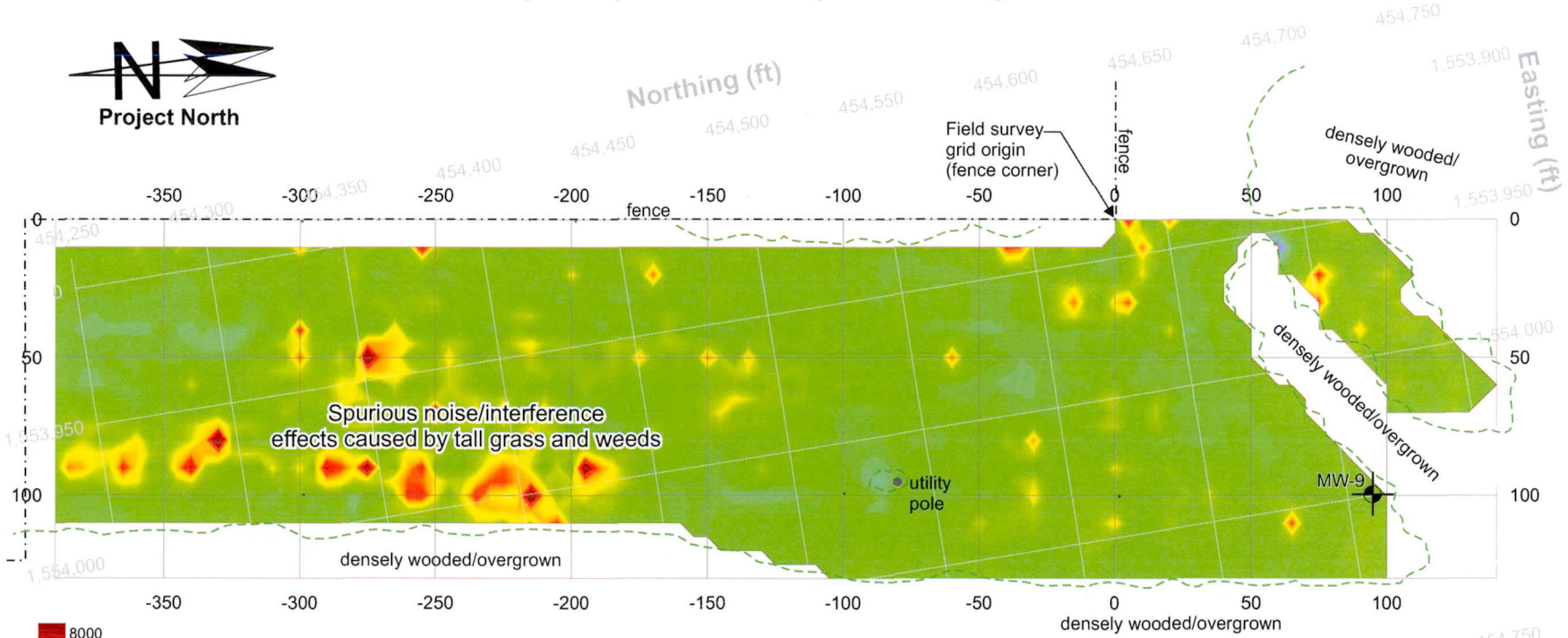
Notes:
GSSI GEM-300 EM Terrain Conductivity Profiler
3 survey freqs: 4,410; 9,810; & 15,030 Hz
10-ft transect interval, ~2.2 ft station spacing
Survey date: May 6, 2011
Locations of site and interpreted features are approximate. GPS location of site features per Trimble GeoXH + Zephyr antenna GPS system
North Carolina State plane coordinates

Grumman Exploration, Inc.
2309 Dorset Road, Columbus, Ohio 43221
Near-surface Geophysics, Non-destructive Subsurface Exploration

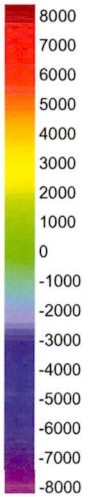
Project: Report of Geophysical Survey			
Location: Cooper Tools LLC: 3012 Mason St., Monroe, NC			
Client/Owner: Shield Engineering	By: dlg	Date: 5/12/11	
Project No.: 01-31034	Checked	Scale: 1"=60-ft	

Figure 4 | Title: Northeast Area Diagram and Relative EM Conductivity Contour Diagram - 9,810 Hz

EM In-Phase Response (metal-sensitive) Contour Diagram: 9,810 Hz



No elevated or anomalous EM responses noted in accessible areas within woods



EM In-phase Response (metal-sensitive) Color Contour Scale (ppm)

Scale (1" = 60-ft)

0 20 40 60 80 100

Notes:
GSSI GEM-300 EM Terrain Conductivity Profiler
3 survey freqs: 4,410; 9,810; & 15,030 Hz
10-ft transect interval, ~2.2 ft station spacing
Survey date: May 6, 2011
Locations of site and interpreted features are approximate. GPS location of site features per Trimble GeoXH + Zephyr antenna GPS system
North Carolina State plane coordinates

Grumman Exploration, Inc.
2309 Dorset Road, Columbus, Ohio 43221
Near-surface Geophysics, Non-destructive Subsurface Exploration

Project: Report of Geophysical Survey			
Location: Cooper Tools LLC: 3012 Mason St., Monroe, NC			
Client/Owner: Shield Engineering	By: dlg	Date: 5/12/11	
Project No.: 01-31034	Checked	Scale: 1"=60-ft	

Figure 5 | Title: Northeast Area Diagram and EM In-Phase Response Contour Diagram - 9,810 Hz