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By Alameda County Environmental Health at 9:26 am, Aug 26, 2014

April 30, 2008

John Love  
Geocon Consultants, Inc.  
6671 Brisa Street  
Livermore, CA 94550  
TEL: (925) 525-4142  
FAX: (925) 971-5915

Read & Received

By: *Tracey Campbell*

Date: *5-22-08*



NELAP No.: 1838  
NELAP No.: 02107CA  
NEVADA: CA-401  
Arizona: AZ0689  
CSDLAC No.: 10196  
Workorder No.: 098436

RE: DGC Soil & GW Investigation, H8448-06-01

Attention: John Love

*W. Miller*  
*M. Rodriguez*

Enclosed are the results for sample(s) received on April 24, 2008 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562) 989-4045 if I can be of further assistance to your company.

Sincerely,

*Eddie F. Rodriguez*

Eddie F. Rodriguez  
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology  
Laboratories

1 of 26  
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

April 30, 2008



John Love  
Gecon Consultants, Inc.  
5671 Brisa Street  
Livermore, CA 94550  
TEL: (925) 525-4142  
FAX: (925) 371-5915

Read & Received  
By: Jaleesa Hazzard  
Date: 5/24/08

ELAP No.: 1838  
NELAP No.: 02107CA  
NEVADA: CA-401  
Arizona: AZ0689  
CSDLAC No.: 10196  
Workorder No.: 098436

RE: DGC Soil & GW Investigation, B8448-06-01


Attention: John Love

Enclosed are the results for sample(s) received on April 24, 2008 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

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Eddie F. Rodriguez  
Laboratory Director

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Advanced Technology  
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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

1 of 26

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** DGC Soil & GW Investigation, E8448-06-01  
**Lab Order:** 098436

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**CASE NARRATIVE**

Analytical Comments for Method 8015 (DRO/ORO)

Dilution was necessary for sample 098436-008B, due to sample matrix.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098430-065AMS and 098430-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 098430-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8015/8021

Dilution was necessary for samples 098436-008A and 098436-012A, due to sample matrix.

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SB-1 (15')
<b>Lab Order:</b>	098436	<b>Collection Date:</b>	4/22/2008 10:03:00 AM
<b>Project:</b>	DGC Soil & GW Investigation, E8448-06-01	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	098436-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	6.3	1.0		mg/Kg	1	4/29/2008 10:48 AM
ORO	5.5	1.0		mg/Kg	1	4/29/2008 10:48 AM
Surr: p-Terphenyl	71.9	26-127		%REC	1	4/29/2008 10:48 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
<b>EPA 8015B(M)</b>						
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	7.3	1.0		mg/Kg	1	4/29/2008 04:29 PM
Surr: Bromofluorobenzene (FID)	93.8	42-142		%REC	1	4/29/2008 04:29 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
<b>EPA 8021B</b>						
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/29/2008 04:29 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/29/2008 04:29 PM
m,p-Xylene	ND	10		µg/Kg	1	4/29/2008 04:29 PM
o-Xylene	ND	5.0		µg/Kg	1	4/29/2008 04:29 PM
Toluene	ND	5.0		µg/Kg	1	4/29/2008 04:29 PM
Surr: Bromofluorobenzene (PID)	107	71-139		%REC	1	4/29/2008 04:29 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-1  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 10:10:00 AM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** WATER  
**Lab ID:** 098436-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B(M)</b>			
RunID: GC8_080425B	QC Batch: 45230			PrepDate:	4/25/2008	Analyst: CBR
DRO	0.076	0.062		mg/L	1	4/26/2008 02:03 AM
ORO	0.11	0.062		mg/L	1	4/26/2008 02:03 AM
Surr: p-Terphenyl	92.9	37-134		%REC	1	4/26/2008 02:03 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	0.080	0.050		mg/L	1	4/25/2008 04:00 PM
Surr: Bromofluorobenzene (FID)	105	76-127		%REC	1	4/25/2008 04:00 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	ND	0.50		µg/L	1	4/25/2008 04:00 PM
Ethylbenzene	ND	0.50		µg/L	1	4/25/2008 04:00 PM
m,p-Xylene	ND	1.0		µg/L	1	4/25/2008 04:00 PM
o-Xylene	ND	0.50		µg/L	1	4/25/2008 04:00 PM
Toluene	ND	0.50		µg/L	1	4/25/2008 04:00 PM
Surr: Bromofluorobenzene (PID)	90.5	82-136		%REC	1	4/25/2008 04:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-2 (16')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 10:48:00 AM  
**Project:** DGC Soil & GW Investigation, B8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-003

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	2.6	1.0		mg/Kg	1	4/29/2008 11:14 AM
ORO	3.5	1.0		mg/Kg	1	4/29/2008 11:14 AM
Surr: p-Terphenyl	62.6	26-127		%REC	1	4/29/2008 11:14 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	21	1.0		mg/Kg	1	4/25/2008 09:18 PM
Surr: Bromofluorobenzene (FID)	42.4	42-142		%REC	1	4/25/2008 09:18 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 09:18 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 09:18 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 09:18 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 09:18 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 09:18 PM
Surr: Bromofluorobenzene (PID)	90.4	71-139		%REC	1	4/25/2008 09:18 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
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 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-2 (20')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 10:53:00 AM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-004

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	20	1.0		mg/Kg	1	4/29/2008 02:39 PM
ORO	51	1.0		mg/Kg	1	4/29/2008 02:39 PM
Surr: p-Terphenyl	61.4	26-127		%REC	1	4/29/2008 02:39 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
<b>EPA 8015B(M)</b>						
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 09:44 PM
Surr: Bromofluorobenzene (FID)	93.8	42-142		%REC	1	4/25/2008 09:44 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
<b>EPA 8021B</b>						
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 09:44 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 09:44 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 09:44 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 09:44 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 09:44 PM
Surr: Bromofluorobenzene (PID)	113	71-139		%REC	1	4/25/2008 09:44 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
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 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geoccon Consultants, Inc. **Client Sample ID:** SB-2  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 11:05:00 AM  
**Project:** DGC Soil & GW Investigation, B8448-06-01 **Matrix:** WATER  
**Lab ID:** 098436-005

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B(M)</b>			
RunID: GC8_080425B	QC Batch: 45230				PrepDate: 4/25/2008	Analyst: CBR
DRO	0.71	0.062		mg/L	1	4/26/2008 03:26 AM
ORO	0.13	0.062		mg/L	1	4/26/2008 03:26 AM
Surr: p-Terphenyl	89.3	37-134		%REC	1	4/26/2008 03:26 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC1_080425A	QC Batch: D08VW023				PrepDate:	Analyst: CBB
GRO	1.5	0.050		mg/L	1	4/25/2008 03:00 PM
Surr: Bromofluorobenzene (FID)	99.4	76-127		%REC	1	4/25/2008 03:00 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC1_080425A	QC Batch: D08VW023				PrepDate:	Analyst: CBB
Benzene	ND	0.50		µg/L	1	4/25/2008 03:00 PM
Ethylbenzene	ND	0.50		µg/L	1	4/25/2008 03:00 PM
m,p-Xylene	ND	1.0		µg/L	1	4/25/2008 03:00 PM
o-Xylene	ND	0.50		µg/L	1	4/25/2008 03:00 PM
Toluene	ND	0.50		µg/L	1	4/25/2008 03:00 PM
Surr: Bromofluorobenzene (PID)	117	82-136		%REC	1	4/25/2008 03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
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 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-3 (13')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 11:28:00 AM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-006

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	5.8	1.0		mg/Kg	1	4/29/2008 02:13 PM
ORO	5.8	1.0		mg/Kg	1	4/29/2008 02:13 PM
Surr: p-Terphenyl	67.7	26-127		%REC	1	4/29/2008 02:13 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 10:08 PM
Surr: Bromofluorobenzene (FID)	113	42-142		%REC	1	4/25/2008 10:08 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 10:08 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 10:08 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 10:08 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 10:08 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 10:08 PM
Surr: Bromofluorobenzene (PID)	118	71-139		%REC	1	4/25/2008 10:08 PM

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 DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-3 (20')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 11:34:00 AM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-007

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	ND	1.0		mg/Kg	1	4/29/2008 11:40 AM
ORO	1.6	1.0		mg/Kg	1	4/29/2008 11:40 AM
Surr: p-Terphenyl	89.9	26-127		%REC	1	4/29/2008 11:40 AM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 10:33 PM
Surr: Bromofluorobenzene (FID)	112	42-142		%REC	1	4/25/2008 10:33 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 10:33 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 10:33 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 10:33 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 10:33 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 10:33 PM
Surr: Bromofluorobenzene (PID)	119	71-139		%REC	1	4/25/2008 10:33 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-3  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 11:45:00 AM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** WATER  
**Lab ID:** 098436-008

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B(M)</b>			
RunID: GC3_080428A	QC Batch: 45230				PrepDate: 4/25/2008	Analyst: CBR
DRO	7.2	0.12		mg/L	2	4/28/2008 12:03 PM
ORO	0.15	0.12		mg/L	2	4/28/2008 12:03 PM
Surr: p-Terphenyl	101	37-134		%REC	2	4/28/2008 12:03 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3510C</b>			<b>EPA 8015B(M)</b>			
RunID: GC1_080425A	QC Batch: D08VW023				PrepDate:	Analyst: CBB
GRO	8.1	0.50		mg/L	10	4/25/2008 09:06 PM
Surr: Bromofluorobenzene (FID)	115	76-127		%REC	10	4/25/2008 09:06 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
<b>EPA 3510C</b>			<b>EPA 8021B</b>			
RunID: GC1_080425A	QC Batch: D08VW023				PrepDate:	Analyst: CBB
Benzene	ND	5.0		µg/L	10	4/25/2008 09:06 PM
Ethylbenzene	ND	5.0		µg/L	10	4/25/2008 09:06 PM
m,p-Xylene	ND	10		µg/L	10	4/25/2008 09:06 PM
o-Xylene	ND	5.0		µg/L	10	4/25/2008 09:06 PM
Toluene	ND	5.0		µg/L	10	4/25/2008 09:06 PM
Surr: Bromofluorobenzene (PID)	102	82-136		%REC	10	4/25/2008 09:06 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-4 (8')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 1:00:00 PM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-009

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 46283				PrepDate: 4/29/2008	Analyst: CBR
DRO	4.6	1.0		mg/Kg	1	4/29/2008 01:22 PM
ORO	6.2	1.0		mg/Kg	1	4/29/2008 01:22 PM
Surr: p-Terphenyl	71.9	26-127		%REC	1	4/29/2008 01:22 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 10:57 PM
Surr: Bromofluorobenzene (FID)	105	42-142		%REC	1	4/25/2008 10:57 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 10:57 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 10:57 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 10:57 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 10:57 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 10:57 PM
Surr: Bromofluorobenzene (PID)	118	71-139		%REC	1	4/25/2008 10:57 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**  
 Print Date: 30-Apr-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SB-5 (16')
<b>Lab Order:</b>	098436	<b>Collection Date:</b>	4/22/2008 1:25:00 PM
<b>Project:</b>	DGC Soil & GW Investigation, E8448-06-01	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	098436-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283			PrepDate:	4/29/2008	Analyst: CBR
DRO	7.6	1.0		mg/Kg	1	4/29/2008 01:48 PM
ORO	6.3	1.0		mg/Kg	1	4/29/2008 01:48 PM
Surr: p-Terphenyl	67.5	26-127		%REC	1	4/29/2008 01:48 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 11:21 PM
Surr: Bromofluorobenzene (FID)	111	42-142		%REC	1	4/25/2008 11:21 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 11:21 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 11:21 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 11:21 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 11:21 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 11:21 PM
Surr: Bromofluorobenzene (PID)	120	71-139		%REC	1	4/25/2008 11:21 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	SB-5
<b>Lab Order:</b>	098436	<b>Collection Date:</b>	4/22/2008 1:35:00 PM
<b>Project:</b>	DGC Soil & GW Investigation, E8448-06-01	<b>Matrix:</b>	WATER
<b>Lab ID:</b>	098436-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3510C**

**EPA 8015B(M)**

RunID:	GC8_080425B	QC Batch:	45230	PrepDate:	4/25/2008	Analyst:	CBR
DRO		0.11	0.062	mg/L	1	4/26/2008 03:54 AM	
ORO		0.18	0.062	mg/L	1	4/26/2008 03:54 AM	
Surr: p-Terphenyl		116	37-134	%REC	1	4/26/2008 03:54 AM	

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID:	GC1_080425A	QC Batch:	D08VW023	PrepDate:		Analyst:	CBB
GRO		0.14	0.050	mg/L	1	4/25/2008 10:06 PM	
Surr: Bromofluorobenzene (FID)		106	76-127	%REC	1	4/25/2008 10:06 PM	

**VOLATILE ORGANIC COMPOUNDS BY GC/PID**

**EPA 8021B**

RunID:	GC1_080425A	QC Batch:	D08VW023	PrepDate:		Analyst:	CBB
Benzene		ND	0.50	µg/L	1	4/25/2008 10:06 PM	
Ethylbenzene		ND	0.50	µg/L	1	4/25/2008 10:06 PM	
m,p-Xylene		ND	1.0	µg/L	1	4/25/2008 10:06 PM	
o-Xylene		ND	0.50	µg/L	1	4/25/2008 10:06 PM	
Toluene		1.4	0.50	µg/L	1	4/25/2008 10:06 PM	
Surr: Bromofluorobenzene (PID)		92.7	82-136	%REC	1	4/25/2008 10:06 PM	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-6 (14')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 1:50:00 PM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-012

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	7.8	1.0		mg/Kg	1	4/29/2008 12:05 PM
ORO	4.4	1.0		mg/Kg	1	4/29/2008 12:05 PM
Surr: p-Terphenyl	79.0	26-127		%REC	1	4/29/2008 12:05 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
			<b>EPA 8015B(M)</b>			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	95	5.0		mg/Kg	5	4/29/2008 04:04 PM
Surr: Bromofluorobenzene (FID)	76.2	42-142		%REC	5	4/29/2008 04:04 PM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
			<b>EPA 8021B</b>			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	25		µg/Kg	5	4/29/2008 04:04 PM
Ethylbenzene	ND	25		µg/Kg	5	4/29/2008 04:04 PM
m,p-Xylene	ND	50		µg/Kg	5	4/29/2008 04:04 PM
o-Xylene	ND	25		µg/Kg	5	4/29/2008 04:04 PM
Toluene	ND	25		µg/Kg	5	4/29/2008 04:04 PM
Surr: Bromofluorobenzene (PID)	101	71-139		%REC	5	4/29/2008 04:04 PM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out

**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-6 (20')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 2:05:00 PM  
**Project:** DGC Soil & GW Investigation, B8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-013

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	1.5	1.0		mg/Kg	1	4/29/2008 12:30 PM
ORO	4.0	1.0		mg/Kg	1	4/29/2008 12:30 PM
Surr: p-Terphenyl	67.8	26-127		%REC	1	4/29/2008 12:30 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/26/2008 12:09 AM
Surr: Bromofluorobenzene (FID)	109	42-142		%REC	1	4/26/2008 12:09 AM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
<b>EPA 3550B</b>			<b>EPA 8021B</b>			
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/26/2008 12:09 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/26/2008 12:09 AM
m,p-Xylene	ND	10		µg/Kg	1	4/26/2008 12:09 AM
o-Xylene	ND	5.0		µg/Kg	1	4/26/2008 12:09 AM
Toluene	ND	5.0		µg/Kg	1	4/26/2008 12:09 AM
Surr: Bromofluorobenzene (PID)	118	71-139		%REC	1	4/26/2008 12:09 AM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out



**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**

Print Date: 30-Apr-08

**CLIENT:** Geocon Consultants, Inc. **Client Sample ID:** SB-6 (31')  
**Lab Order:** 098436 **Collection Date:** 4/22/2008 2:45:00 PM  
**Project:** DGC Soil & GW Investigation, E8448-06-01 **Matrix:** SOIL  
**Lab ID:** 098436-014

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
<b>EPA 3550B</b>			<b>EPA 8015B(M)</b>			
RunID: GC7_BACK_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	3.2	1.0		mg/Kg	1	4/29/2008 12:57 PM
ORO	2.7	1.0		mg/Kg	1	4/29/2008 12:57 PM
Surr: p-Terphenyl	92.5	26-127		%REC	1	4/29/2008 12:57 PM
<b>GASOLINE RANGE ORGANICS BY GC/FID</b>						
<b>EPA 8015B(M)</b>						
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/26/2008 12:34 AM
Surr: Bromofluorobenzene (FID)	111	42-142		%REC	1	4/26/2008 12:34 AM
<b>VOLATILE ORGANIC COMPOUNDS BY GC/PID</b>						
<b>EPA 8021B</b>						
RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/26/2008 12:34 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/26/2008 12:34 AM
m,p-Xylene	ND	10		µg/Kg	1	4/26/2008 12:34 AM
o-Xylene	ND	5.0		µg/Kg	1	4/26/2008 12:34 AM
Toluene	ND	5.0		µg/Kg	1	4/26/2008 12:34 AM
Surr: Bromofluorobenzene (PID)	121	71-139		%REC	1	4/26/2008 12:34 AM

**Qualifiers:** B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit  
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified  
 DO Surrogate Diluted Out

Advanced Technology Laboratories

Date: 30-Apr-08

CLIENT: Geocon Consultants, Inc.

Work Order: 098436

Project: DGC Soil & GW Investigation, E8448-06-01

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015\_S\_DM\_LL

Sample ID: MB-45283	Sample Type: MBLK	TestCode: 8015_S_DM_L	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: PBS	Batch ID: 45283	TestNo: EPA 8015B(M)	EPA 3550B	Analysis Date: 4/29/2008	SeqNo: 1447458						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	1.818		2.670		68.1	26	127				

Sample ID: LCS-45283	Sample Type: LCS	TestCode: 8015_S_DM_L	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: LCSS	Batch ID: 45283	TestNo: EPA 8015B(M)	EPA 3550B	Analysis Date: 4/29/2008	SeqNo: 1447459						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	28.005	1.0	33.00	0	84.9	27	105				
Surr: p-Terphenyl	2.078		2.670		77.8	26	127				

Sample ID: 098430-065AMS	Sample Type: MS	TestCode: 8015_S_DM_L	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: ZZZZZZ	Batch ID: 45283	TestNo: EPA 8015B(M)	EPA 3550B	Analysis Date: 4/29/2008	SeqNo: 1447460						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	54.275	1.0	33.00	10.55	133	14	102				S
Surr: p-Terphenyl	2.133		2.670		79.9	26	127				

Sample ID: 098430-065AMSD	Sample Type: MSD	TestCode: 8015_S_DM_L	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: ZZZZZZ	Batch ID: 45283	TestNo: EPA 8015B(M)	EPA 3550B	Analysis Date: 4/29/2008	SeqNo: 1447461						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	68.900	1.0	33.00	10.55	177	14	102	54.27	23.7	20	SR
Surr: p-Terphenyl	2.292		2.670		85.8	26	127		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- H Holding times for preparation or analysis exceeded

Calculations are based on raw values

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** Geokon Consultants, Inc.  
**Work Order:** 098436  
**Project:** DGC Soil & GW Investigation, E8448-06-01

**TestCode:** 8015\_S\_GAS

Sample ID: E080425MB1	Sample Type: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: PBS	Batch ID: E08VS117	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446012						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.392	1.0			101	42	142				
Surr: Bromofluorobenzene (FID)	101.314		100.0								

Sample ID: 098430-038AMS	Sample Type: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: ZZZZZZ	Batch ID: E08VS117	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446014						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.579	1.0	5.000	0	91.6	33	120				
Surr: Bromofluorobenzene (FID)	100.328		100.0		100	42	142				

Sample ID: 098430-038AMSD	Sample Type: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: ZZZZZZ	Batch ID: E08VS117	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446015						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.642	1.0	5.000	0	92.8	33	120	4.579	1.37	20	
Surr: Bromofluorobenzene (FID)	100.491		100.0		100	42	142		0	20	

Sample ID: E080425LCS1	Sample Type: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: LCSS	Batch ID: E08VS117	TestNo: EPA 8015B(M)		Analysis Date: 4/26/2008	SeqNo: 1446035						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.455	1.0	5.000	0.3920	81.3	74	108				
Surr: Bromofluorobenzene (FID)	103.264		100.0		103	42	142				

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference

# ANALYTICAL QC SUMMARY REPORT

CLIENT: Geokon Consultants, Inc.

Work Order: 098436

Project: DGC Soil & GW Investigation, E8448-06-01

TestCode: 8015\_S\_GAS

Sample ID:	098482-001AMS	SampType:	MS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:	RunNo:	93984	
Client ID:	ZZZZZZ	Batch ID:	E08VS120	TestNo:	EPA 8015B(M)			Analysis Date:	SeqNo:	1447731	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.910	1.0	5.000	0	98.2	33	120				
Surr: Bromofluorobenzene (FID)	101.799		100.0		102	42	142				

Sample ID:	098482-001AMSD	SampType:	MSD	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:	RunNo:	93984	
Client ID:	ZZZZZZ	Batch ID:	E08VS120	TestNo:	EPA 8015B(M)			Analysis Date:	SeqNo:	1447732	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.688	1.0	5.000	0	93.8	33	120	4.910	4.63	20	
Surr: Bromofluorobenzene (FID)	103.417		100.0		103	42	142		0	20	

Sample ID:	E080429MB2	SampType:	MBLK	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:	RunNo:	93984	
Client ID:	PBS	Batch ID:	E08VS120	TestNo:	EPA 8015B(M)			Analysis Date:	SeqNo:	1447737	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND										
Surr: Bromofluorobenzene (FID)	101.185		100.0		101	42	142				

Sample ID:	E080429LCS1	SampType:	LCS	TestCode:	8015_S_GAS	Units:	mg/Kg	Prep Date:	RunNo:	93984	
Client ID:	LCSS	Batch ID:	E08VS120	TestNo:	EPA 8015B(M)			Analysis Date:	SeqNo:	1447738	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.554	1.0	5.000	0	91.1	74	108				
Surr: Bromofluorobenzene (FID)	102.650		100.0		103	42	142				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** Geokon Consultants, Inc.  
**Work Order:** 098436  
**Project:** DGC Soil & GW Investigation, E8448-06-01

**TestCode:** 8015\_W\_DM\_LL

Sample ID:	MB-45230	TestCode:	8015_W_DM_	Units:	mg/L	Prep Date:	4/25/2008	RunNo:	93911			
Client ID:	PBW	Batch ID:	45230	TestNo:	EPA 8015B(M EPA 3510C	Analysis Date:	4/25/2008	SeqNo:	1446402			
Analyte		Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
DRO		ND	0.050									
ORO		ND	0.050									
Surr: p-Terphenyl		0.083		0.08000		104	37	134				
Sample ID:	LCS-45230	TestCode:	8015_W_DM_	Units:	mg/L	Prep Date:	4/25/2008	RunNo:	93911			
Client ID:	LCSW	Batch ID:	45230	TestNo:	EPA 8015B(M EPA 3510C	Analysis Date:	4/25/2008	SeqNo:	1446403			
Analyte		Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
DRO		0.821	0.050	1.000	0	82.1	43	105				
Surr: p-Terphenyl		0.077		0.08000		95.7	37	134				
Sample ID:	MB-45230	TestCode:	8015_W_DM_	Units:	mg/L	Prep Date:	4/25/2008	RunNo:	93911			
Client ID:	ZZZZZZ	Batch ID:	45230	TestNo:	EPA 8015B(M EPA 3510C	Analysis Date:	4/25/2008	SeqNo:	1446404			
Analyte		Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
DRO		1.020	0.050	1.000	0	102	43	105				
Surr: p-Terphenyl		0.094		0.08000		117	37	134				
Sample ID:	MB-45230	TestCode:	8015_W_DM_	Units:	mg/L	Prep Date:	4/25/2008	RunNo:	93911			
Client ID:	ZZZZZZ	Batch ID:	45230	TestNo:	EPA 8015B(M EPA 3510C	Analysis Date:	4/25/2008	SeqNo:	1446405			
Analyte		Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
DRO		0.894	0.050	1.000	0	89.4	43	105	1.020	13.2	20	
Surr: p-Terphenyl		0.081		0.08000		102	37	134		0	0	

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference

# ANALYTICAL QC SUMMARY REPORT

CLIENT: Geocon Consultants, Inc.

Work Order: 098436

Project: DGC Soil & GW Investigation, E8448-06-01

TestCode: 8015\_W\_GP\_LL

Sample ID: D042508MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: PBW	Batch ID: D08VW023	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050			98.3	76	127				
Surr: Bromofluorobenzene (FID)	98.344		100.0								

Sample ID: D042508MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: ZZZZZZ	Batch ID: D08VW023	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.866	0.050	1.000	0	86.6	77	122				
Surr: Bromofluorobenzene (FID)	110.104		100.0		110	76	127				

Sample ID: D042508MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: ZZZZZZ	Batch ID: D08VW023	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.860	0.050	1.000	0	86.0	77	122	0.8660	0.695	20	
Surr: Bromofluorobenzene (FID)	109.294		100.0		109	76	127		0	0	

Sample ID: D042508LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: LCSW	Batch ID: D08VW023	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1446270						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.948	0.050	1.000	0	94.8	77	122				
Surr: Bromofluorobenzene (FID)	119.186		100.0		119	76	127				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** 098436  
**Project:** DGC Soil & GW Investigation, E8448-06-01

**TestCode:** 8021\_S\_BTEX

Sample ID:	E080425MB1	SampType:	MBLK	TestCode:	8021_S_BTE	Units:	µg/Kg	Prep Date:	RunNo:	93896			
Client ID:	PBS	Batch ID:	E08VS117	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1446036			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND		5.0									
Ethylbenzene		ND		5.0									
m,p-Xylene		ND		10									
o-Xylene		ND		5.0									
Toluene		1.790		5.0									
Surr: Bromofluorobenzene (PID)		109.744			100.0		110	71	139				

Sample ID:	098430-038AMS	SampType:	MS	TestCode:	8021_S_BTE	Units:	µg/Kg	Prep Date:	RunNo:	93896			
Client ID:	ZZZZZZ	Batch ID:	E08VS117	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1446038			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		30.702		5.0	35.75	0	85.9	39	113				
Ethylbenzene		40.202		5.0	49.65	0	81.0	38	112				
m,p-Xylene		168.999		10	199.6	0	84.7	42	110				
o-Xylene		62.325		5.0	78.40	0	79.5	35	100				
Toluene		160.387		5.0	172.2	2.172	91.9	50	110				
Surr: Bromofluorobenzene (PID)		113.957			100.0		114	71	139				

Sample ID:	098430-038AMS	SampType:	MSD	TestCode:	8021_S_BTE	Units:	µg/Kg	Prep Date:	RunNo:	93896			
Client ID:	ZZZZZZ	Batch ID:	E08VS117	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1446039			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		30.095		5.0	35.75	0	84.2	39	113	30.70	2.00	20	
Ethylbenzene		34.167		5.0	49.65	0	68.8	38	112	40.20	16.2	20	
m,p-Xylene		162.348		10	199.6	0	81.4	42	110	169.0	4.01	20	
o-Xylene		56.990		5.0	78.40	0	72.7	35	100	62.32	8.94	20	
Toluene		158.280		5.0	172.2	2.172	90.6	50	110	160.4	1.32	20	
Surr: Bromofluorobenzene (PID)		110.898			100.0		111	71	139		0	20	

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** Geokon Consultants, Inc.  
**Work Order:** 098436  
**Project:** DGC Soil & GW Investigation, E8448-06-01

**TestCode:** 8021\_S\_BTEX

Analyte	Sample ID: LCS	Batch ID: E08VS117	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	RunNo: 93896
																SeqNo: 1446058
Benzene						5.0	100.0	0	109	81	115					
Ethylbenzene						5.0	100.0	0	109	82	116					
m,p-Xylene						10	200.0	0	113	83	120					
o-Xylene						5.0	100.0	0	112	84	120					
Toluene						5.0	100.0	1,790	111	82	118					
Sur: Bromofluorobenzene (FID)							100.0		113	71	139					

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference



# ANALYTICAL QC SUMMARY REPORT

CLIENT: Geokon Consultants, Inc.

Work Order: 098436

Project: DGC Soil & GW Investigation, E8448-06-01

TestCode: 8021\_S\_BTEX

Sample ID:	098482-001AMS	SampType:	MS	TestCode:	8021_S_BTE	Units:	µg/Kg	Prep Date:	RunNo:	93984	
Client ID:	ZZZZZZ	Batch ID:	E08VS120	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1447755	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	30.964	5.0	35.75	0	86.6	39	113				
Ethylbenzene	34.518	5.0	49.65	0	69.5	38	112				
m,p-Xylene	157.636	10	195.6	0	79.0	42	110				
o-Xylene	60.972	5.0	78.40	0	77.8	35	100				
Toluene	156.561	5.0	172.2	0	90.9	50	110				
Surr: Bromofluorobenzene (PID)	117.368		100.0		117	71	139				

Sample ID:	098482-001AMSD	SampType:	MSD	TestCode:	8021_S_BTE	Units:	µg/Kg	Prep Date:	RunNo:	93984	
Client ID:	ZZZZZZ	Batch ID:	E08VS120	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1447756	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.306	5.0	35.75	0	82.0	39	113	30.96	5.50	20	
Ethylbenzene	33.316	5.0	49.65	0	67.1	38	112	34.52	3.54	20	
m,p-Xylene	157.344	10	195.6	0	78.8	42	110	157.6	0.185	20	
o-Xylene	61.789	5.0	78.40	0	78.8	35	100	60.97	1.33	20	
Toluene	149.445	5.0	172.2	0	86.8	50	110	156.6	4.65	20	
Surr: Bromofluorobenzene (PID)	118.670		100.0		119	71	139		0	20	

Sample ID:	E080429MB2	SampType:	MBLK	TestCode:	8021_S_BTE	Units:	µg/Kg	Prep Date:	RunNo:	93984	
Client ID:	PBS	Batch ID:	E08VS120	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1447799	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	107.863		100.0		108	71	139				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
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- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** Geocon Consultants, Inc. TestCode: 8021\_S\_BTEX  
**Work Order:** 098436 RunNo: 93884  
**Project:** DGC Soil & GW Investigation, E8448-06-01 SeqNo: 1447805

Sample ID: E080429LCS2	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93884						
Client ID: LCSS	Batch ID: E08VS120	TestNo: EPA 8021B		Analysis Date: 4/29/2008	SeqNo: 1447805						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	106.994	5.0	100.0	0	107	81	115				
Ethylbenzene	110.767	5.0	100.0	0	111	82	116				
m,p-Xylene	225.172	10	200.0	0	113	83	120				
o-Xylene	113.607	5.0	100.0	0	114	84	120				
Toluene	108.981	5.0	100.0	0	109	82	118				
Surr: Bromofluorobenzene (PID)	113.346		100.0		113	71	139				

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** Gecon Consultants, Inc.  
**Work Order:** 098436  
**Project:** DGC Soil & GW Investigation, E8448-06-01

**TestCode:** 8021\_WP\_BTEX

Sample ID:	D042508MB2	SampType:	MBLK	TestCode:	8021_WP_BT	Units:	µg/L	Prep Date:	RunNo:	93903	
Client ID:	PBW	Batch ID:	D08VW023	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1446301	
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	0.482	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
o-Xylene	ND	0.50									
Surr: Bromofluorobenzene (PID)	86.723		100.0		86.7		82				136

Sample ID:	D042508LCS2	SampType:	LCS	TestCode:	8021_WP_BT	Units:	µg/L	Prep Date:	RunNo:	93903	
Client ID:	LCSW	Batch ID:	D08VW023	TestNo:	EPA 8021B			Analysis Date:	SeqNo:	1446308	
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	92.470	0.50	100.0	0	92.5		59				129
Toluene	96.784	0.50	100.0	0.4820	96.3		68				122
Ethylbenzene	99.362	0.50	100.0	0	99.4		64				128
m,p-Xylene	196.174	1.0	200.0	0	98.1		71				124
o-Xylene	98.174	0.50	100.0	0	98.2		62				124
Surr: Bromofluorobenzene (PID)	93.043		100.0		93.0		82				136

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 DO Surrogate Diluted Out  
 E Value above quantization range  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference