

July 19, 2016

Report to:

Richard Miller
Gadeco, LLC
3600 S Yosemite Ste 800
Denver, CO 80237

Bill to:

Richard Miller
Gadeco, LLC
3600 S Yosemite Ste 800
Denver, CO 80237

cc: Carl Colby

Project ID:

ACZ Project ID: L31368

Richard Miller:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 30, 2016. This project has been assigned to ACZ's project number, L31368. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L31368. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 18, 2016. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed
and approved this report.



Gadeco, LLC
 Project ID:
 Sample ID: #15

ACZ Sample ID: **L31368-01**
 Date Sampled: 06/29/16 12:15
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 13:47
 Analysis Date: 07/07/16 13:47

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	86.1		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	84.8		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #15

ACZ Sample ID: **L31368-01**
 Date Sampled: 06/29/16 12:15
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:08
 Analysis Date: 07/12/16 11:13

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		6	J	33.3	*	mg/Kg	3	20
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	94.2		33.3		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #12

ACZ Sample ID: **L31368-02**
 Date Sampled: 06/29/16 12:25
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 14:16
 Analysis Date: 07/07/16 14:16

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	93.1		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	91.2		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #12

ACZ Sample ID: **L31368-02**
 Date Sampled: 06/29/16 12:25
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:11
 Analysis Date: 07/12/16 11:41

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		12	J	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	89.1		66.7		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #18

ACZ Sample ID: **L31368-03**
 Date Sampled: 06/29/16 12:30
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 14:46
 Analysis Date: 07/07/16 14:46

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	87.3		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	85.4		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #18

ACZ Sample ID: **L31368-03**
 Date Sampled: 06/29/16 12:30
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:14
 Analysis Date: 07/12/16 12:08

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28			U	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	93.7		66.7		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #20

ACZ Sample ID: **L31368-04**
 Date Sampled: 06/29/16 12:31
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 15:15
 Analysis Date: 07/07/16 15:15

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	86.7		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	87.1		1	*	%	70	130

Gadeco, LLC

Project ID:

Sample ID: #20

ACZ Sample ID: **L31368-04**

Date Sampled: 06/29/16 12:31

Date Received: 06/30/16

Sample Matrix: Soil

Diesel Range Organics (C10-C28)Analysis Method: **M8015D GC/FID**Extract Method: **M3540****Workgroup:** WG406097

Analyst: mmn

Extract Date: 07/06/16 13:16

Analysis Date: 07/12/16 12:36

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		10	J	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	88		66.7		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #21

ACZ Sample ID: **L31368-05**
 Date Sampled: 06/29/16 12:32
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 13:17
 Analysis Date: 07/07/16 13:17

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	88.5		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	86.7		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #21

ACZ Sample ID: **L31368-05**
 Date Sampled: 06/29/16 12:32
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:19
 Analysis Date: 07/12/16 13:03

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28			U	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	93		66.7		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #23

ACZ Sample ID: **L31368-06**
 Date Sampled: 06/29/16 12:33
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 16:14
 Analysis Date: 07/07/16 16:14

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	84.9		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	83.8		1	*	%	70	130

Gadeco, LLC

Project ID:

Sample ID: #23

ACZ Sample ID: **L31368-06**

Date Sampled: 06/29/16 12:33

Date Received: 06/30/16

Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**

Extract Method: **M3540**

Workgroup: WG406097

Analyst: mmn

Extract Date: 07/06/16 13:22

Analysis Date: 07/12/16 13:30

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28			U	164	*	mg/Kg	20	80
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	89.8		164		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #24

ACZ Sample ID: **L31368-07**
 Date Sampled: 06/29/16 12:35
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 16:43
 Analysis Date: 07/07/16 16:43

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	93.8		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	93		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #24

ACZ Sample ID: **L31368-07**
 Date Sampled: 06/29/16 12:35
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406513
 Analyst: itm
 Extract Date: 07/13/16 16:15
 Analysis Date: 07/17/16 11:53

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		58		66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	95.9		66.7	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #06

ACZ Sample ID: **L31368-08**
 Date Sampled: 06/29/16 13:00
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 17:12
 Analysis Date: 07/07/16 17:12

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	5	*	ug/Kg	5	5
Ethylbenzene	100-41-4		U	5	*	ug/Kg	5	5
m p Xylene	1330-20-7		U	5	*	ug/Kg	10	10
o Xylene	95-47-6		U	5	*	ug/Kg	5	5
Toluene	108-88-3		U	5	*	ug/Kg	5	5
TVH C6 to C10	TVH		U	5	*	mg/Kg	0.3	0.3
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	87.7		5	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	86		5	*	%	70	130

Gadeco, LLC

Project ID:

Sample ID: #06

ACZ Sample ID: **L31368-08**

Date Sampled: 06/29/16 13:00

Date Received: 06/30/16

Sample Matrix: Soil

Diesel Range Organics (C10-C28)Analysis Method: **M8015D GC/FID**Extract Method: **M3540****Workgroup:** WG406097

Analyst: mmn

Extract Date: 07/06/16 13:28

Analysis Date: 07/12/16 14:25

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		5130		667	*	mg/Kg	70	300
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	179.8		667	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #07

ACZ Sample ID: **L31368-09**
 Date Sampled: 06/29/16 13:10
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 17:42
 Analysis Date: 07/07/16 17:42

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	88.1		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	86.7		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #07

ACZ Sample ID: **L31368-09**
 Date Sampled: 06/29/16 13:10
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:30
 Analysis Date: 07/12/16 14:52

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		50	J	167	*	mg/Kg	20	80
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	91.8		167		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #05

ACZ Sample ID: **L31368-10**
 Date Sampled: 06/29/16 13:15
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 18:11
 Analysis Date: 07/07/16 18:11

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	89		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	87.2		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #05

ACZ Sample ID: **L31368-10**
 Date Sampled: 06/29/16 13:15
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:33
 Analysis Date: 07/12/16 15:20

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28			U	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	93.3		66.7		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #26

ACZ Sample ID: **L31368-11**
 Date Sampled: 06/29/16 14:00
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 18:41
 Analysis Date: 07/07/16 18:41

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH	0.05		1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	88.4		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	88.7		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #26

ACZ Sample ID: **L31368-11**
 Date Sampled: 06/29/16 14:00
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:36
 Analysis Date: 07/12/16 15:47

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28			U	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	96		66.7		%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #27

ACZ Sample ID: **L31368-12**
 Date Sampled: 06/29/16 14:05
 Date Received: 06/30/16
 Sample Matrix: Soil

BTEX/Gasoline Range Organics (C6-C10)

Analysis Method: **M8021B/8015D GC/PID/FID**
 Extract Method: **5035A**

Workgroup: WG405827

Analyst: mmn
 Extract Date: 07/07/16 19:10
 Analysis Date: 07/07/16 19:10

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
Benzene	71-43-2		U	1	*	ug/Kg	1	1
Ethylbenzene	100-41-4		U	1	*	ug/Kg	1	1
m p Xylene	1330-20-7		U	1	*	ug/Kg	2	2
o Xylene	95-47-6		U	1	*	ug/Kg	1	1
Toluene	108-88-3		U	1	*	ug/Kg	1	1
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4	86.3		1	*	%	70	130
Bromofluorobenzene (TVH)	460-00 4	84.4		1	*	%	70	130

Gadeco, LLC
 Project ID:
 Sample ID: #27

ACZ Sample ID: **L31368-12**
 Date Sampled: 06/29/16 14:05
 Date Received: 06/30/16
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

Analysis Method: **M8015D GC/FID**
 Extract Method: **M3540**

Workgroup: WG406097
 Analyst: mmn
 Extract Date: 07/06/16 13:39
 Analysis Date: 07/12/16 16:15

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		12	J	66.7	*	mg/Kg	7	30
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	94.9		66.7		%	70	130

Report Header Explanations

<i>Batch</i>	A distinct set of samples analyzed at a specific time
<i>Found</i>	Value of the QC Type of interest
<i>Limit</i>	Upper limit for RPD, in %.
<i>Lower</i>	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
<i>LCL</i>	Lower Control Limit
<i>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #4) Allows for instrument and annual fluctuations.
<i>PCN/SCN</i>	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
<i>PQL</i>	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
<i>QC</i>	True Value of the Control Sample or the amount added to the Spike
<i>Rec</i>	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
<i>RPD</i>	Relative Percent Difference, calculation used for Duplicate QC Types
<i>Upper</i>	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
<i>UCL</i>	Upper Control Limit
<i>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>SURR</i>	Surrogate	<i>LFM</i>	Laboratory Fortified Matrix
<i>INTS</i>	Internal Standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>MS/MSD</i>	Matrix Spike/Matrix Spike Duplicate
<i>LCSW</i>	Laboratory Control Sample - Water	<i>PBS</i>	Prep Blank - Soil
<i>LFB</i>	Laboratory Fortified Blank	<i>PBW</i>	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
O	Analyte concentration is estimated due to result exceeding calibration range.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
J	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
- (3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
- (4) EPA SW-846. Test Methods for Evaluating Solid Waste.
- (5) Standard Methods for the Examination of Water and Wastewater.

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Excluding Oil & Grease, solid & biological matrices for organic analyses are reported on a wet weight basis.
- (3) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
- (4) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

Gadeco, LLC

ACZ Project ID: **L31368**

BTEX/Gasoline Range Organics (C6-C10)

M8021B/8015D GC/PID/FID

WG405827

AS	Sample ID: L31368-05AS			PCN/SCN: B160705-1-CCV			Analyzed: 07/07/16 22:08			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	50	U	46.3	ug/Kg	93.0	70	130			
ETHYLBENZENE	50	U	42.6	ug/Kg	85.0	70	130			
M P XYLENE	100	U	78.7	ug/Kg	79.0	70	130			
O XYLENE	50	U	41.8	ug/Kg	84.0	70	130			
TOLUENE	50	U	44.9	ug/Kg	90.0	70	130			
TVH C6 TO C10	.5	U	.401	mg/Kg	80.0	70	130			
BROMOFLUOROBENZENE (surr)				%	90.3	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	87.8	70	130			

ASD	Sample ID: L31368-05ASD			PCN/SCN: B160705-1-CCV			Analyzed: 07/07/16 22:38			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	50	U	46.3	ug/Kg	93.0	70	130	0	20	
ETHYLBENZENE	50	U	42.6	ug/Kg	85.0	70	130	0	20	
M P XYLENE	100	U	80.9	ug/Kg	81.0	70	130	3	20	
O XYLENE	50	U	41.7	ug/Kg	83.0	70	130	0	20	
TOLUENE	50	U	45.1	ug/Kg	90.0	70	130	0	20	
TVH C6 TO C10	.5	U	.401	mg/Kg	80.0	70	130	0	20	
BROMOFLUOROBENZENE (surr)				%	90.5	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	88.7	70	130			

LCSS	Sample ID: WG405827LCSS			PCN/SCN: B160705-2-ICV			Analyzed: 07/07/16 10:13			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	25.1		24	ug/Kg	96.0	70	130			
ETHYLBENZENE	25		24.2	ug/Kg	97.0	70	130			
M P XYLENE	50.4		50.1	ug/Kg	100.0	70	130			
O XYLENE	50.3		48.3	ug/Kg	96.0	70	130			
TOLUENE	75.3		71.5	ug/Kg	95.0	70	130			
TVH C6 TO C10	.5		.411	mg/Kg	91.0	70	130			
BROMOFLUOROBENZENE (surr)				%	102.4	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	102.1	70	130			

LCSSD	Sample ID: WG405827LCSSD			PCN/SCN: B160705-2-ICV			Analyzed: 07/07/16 10:53			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	25.1		24.1	ug/Kg	96.0	70	130	0	20	
ETHYLBENZENE	25		24.4	ug/Kg	98.0	70	130	1	20	
M P XYLENE	50.4		50.6	ug/Kg	100.0	70	130	1	20	
O XYLENE	50.3		48.8	ug/Kg	97.0	70	130	1	20	
TOLUENE	75.3		71.7	ug/Kg	95.0	70	130	0	20	
TVH C6 TO C10	.5		.415	mg/Kg	92.0	70	130	1	20	
BROMOFLUOROBENZENE (surr)				%	100.4	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	101.2	70	130			

Gadeco, LLC

ACZ Project ID: **L31368**

PBS		Sample ID: WG405827PBS						Analyzed: 07/07/16 11:23			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual	
BENZENE			U	ug/Kg		-1	1				
ETHYLBENZENE			U	ug/Kg		-1	1				
M P XYLENE			U	ug/Kg		-2	2				
O XYLENE			U	ug/Kg		-1	1				
TOLUENE			U	ug/Kg		-1	1				
TVH C6 TO C10			U	mg/Kg		-.05	.05				
BROMOFLUOROBENZENE (surr)				%	92.4	70	130				
BROMOFLUOROBENZENE (TVH) (surr)				%	92.1	70	130				

Gadeco, LLC

ACZ Project ID: **L31368**

Diesel Range Organics (C10-C28)

M8015D GC/FID

WG406097

DUP		Sample ID: L31368-12DUP					Analyzed: 07/12/16 16:42				
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual	
TPH C10 TO C28		12	17.6	mg/Kg				38	20	RA	
OTP (surr)				%	89.6	70	130				

LCSS		Sample ID: WG405786LCSS		PCN/SCN: OPTPH160509-2			Analyzed: 07/12/16 10:18			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	2502.7		78.1	mg/Kg	94.0	70	130			
OTP (surr)				%	95.2	70	130			

LCSSD		Sample ID: WG405786LCSSD		PCN/SCN: OPTPH160509-2			Analyzed: 07/12/16 10:46			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	2502.7		82.2	mg/Kg	99.0	70	130	5	20	
OTP (surr)				%	98.4	70	130			

PBS		Sample ID: WG405786PBS					Analyzed: 07/12/16 9:51			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28			U	mg/Kg		-20	20			
OTP (surr)				%	90.1	70	130			

WG406513

DUP		Sample ID: L31368-07DUP					Analyzed: 07/17/16 12:20			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28		58	68.2	mg/Kg				16	20	RA
OTP (surr)				%	86.4	70	130			

MS		Sample ID: L31368-07MS		PCN/SCN: OPTPH160509-2			Analyzed: 07/17/16 12:48			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	2502.7	58	193.7	mg/Kg	81.0	70	130			
OTP (surr)				%	98.6	70	130			

LCSS		Sample ID: WG406252LCSS		PCN/SCN: OPTPH160509-2			Analyzed: 07/17/16 10:58			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	2502.7		81	mg/Kg	97.0	70	130			
OTP (surr)				%	101.2	70	130			

LCSSD		Sample ID: WG406252LCSSD		PCN/SCN: OPTPH160509-2			Analyzed: 07/17/16 11:25			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	2502.7		81.7	mg/Kg	98.0	70	130	1	20	
OTP (surr)				%	99.5	70	130			

PBS		Sample ID: WG406252PBS					Analyzed: 07/17/16 10:31			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28			U	mg/Kg		-20	20			
OTP (surr)				%	84.5	70	130			

ACZ Project ID: **L31368**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L31368-01	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-02	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-03	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-04	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-05	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-06	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-07	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406513	TPH C10 to C28	M8015D GC/FID	D1	Sample required dilution due to matrix.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

ACZ Project ID: **L31368**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
					sample is too low for accurate evaluation (< 10x MDL).
L31368-08	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	D1	Sample required dilution due to matrix.
			M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
	WG406097	OTP	M8015D GC/FID	S8	The sample required a dilution such that the surrogate recovery calculation does not provide useful information. The recovery for the associated control sample was acceptable.
			TPH C10 to C28	M8015D GC/FID	Q9
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-09	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
				D1	Sample required dilution due to matrix.
	WG406097	TPH C10 to C28	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-10	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
				D1	Sample required dilution due to matrix.
	WG406097	TPH C10 to C28	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-11	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
				D1	Sample required dilution due to matrix.
	WG406097	TPH C10 to C28	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L31368-12	WG405827	*All Compounds*	M8021B/8015D GC/PID/FID	ZM	Data is estimated because result is below 200 ug/Kg; ACZ does not have a closed-system purge and trap as described in method 5035.
				D1	Sample required dilution due to matrix.
	WG406097	TPH C10 to C28	M8015D GC/FID	Q9	Insufficient sample received to meet method QC requirements.
			M8015D GC/FID	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Gadeco, LLC

ACZ Project ID: **L31368**

No certification qualifiers associated with this analysis

Gadeco, LLC

ACZ Project ID: L31368
 Date Received: 06/30/2016 12:52
 Received By: ddp
 Date Printed: 6/30/2016

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?			X
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples? A change was made in the Report to: and Analyses Requested on COC 1 section prior to ACZ custody.	X		

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? ¹			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?		X	
18) Were all samples received within hold time?	X		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Temp Criteria (°C)	Rad (µR/Hr)	Custody Seal Intact?
4305	2.4	<=6.0	14	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Gadeco, LLC

ACZ Project ID: L31368
Date Received: 06/30/2016 12:52
Received By: ddp
Date Printed: 6/30/2016

¹ The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na₂S₂O₃ preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

131368



Laboratories, Inc.

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

131368
NPL 6-30-16

Report to:

Name: Richard Miller	Address: 3600 S. Yosemite Ste 800
Company: Gadecco LLC	Denver CO 80237
E-mail: r.miller@grynberg.com	Telephone: 303-850-7490

Copy of Report to:

Name: Carl Colby	E-mail: wildwestexcavating@gmail.com
Company: wild west excavating	Telephone: 970-326-5776

Invoice to:

Name: Richard Miller	Address: 3600 S Yosemite ste 900
Company: Gadecco	Denver 80237
E-mail: r.miller@grynberg.com	Telephone: 303-850-7490

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes No

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Carl Sampler's Site Information State CO Zip code 81625 Time Zone mt

*Sampler's Signature: [Signature] I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	COPY			
# 1	6-29-16 11:30am	SO	910-1				
# 2	6-29-16 12:00pm	SO	910-1				
# 15	6-29-16 12:15pm	SO	BTX+PH				
# 17	6-29-16 12:25	SO	BTX+PH				
# 18	6-29-16 12:30	SO	BTX+PH				
# 20	6-29-16 12:31	SO	BTX+PH				
# 21	6-29-16 12:32	SO	BTX+PH				
# 23	6-29-16 12:33	SO	BTX+PH				
# 04	6-29-16 12:34	SO	910-1 (910-1)				
# 24	6-29-16 12:35	SO	BTX+PH				

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Carl Colby	6-29-16	Richard Miller	6-29-16

L31368 Chain of Custody

171368



Laboratories, Inc.

677369
NPL 6-30-16

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Richard Miller
Company: Gaddco LLC
E-mail: r.miller@grynberg.com

Address: 3600 S Yosemite
Denver CO 80237
Telephone: 303-850-7490

Copy of Report to:

Name: Carl Colby
Company: Wild West Oilfield

E-mail: wildwestexcavating@gmail.com
Telephone: 970-326-5776

Invoice to:

Name: Richard Miller
Company: Gaddco
E-mail: r.miller@grynberg.com

Address: 3600 S. Yosemite
Denver CO 80237
Telephone: 303-850-7490

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes No

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Carl Sampler's Site Information State CO Zip code 81675 Time Zone M1

*Sampler's Signature: [Signature] I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:	PO#:	Reporting state for compliance testing:	Check box if samples include NRC licensed material?	SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers										
		Colorado		#03	6-29-16 12:58		2	910-1									
				#06	6-29-16 1:00		2	TBX BTX									
				#07	6-29-16 1:10		2	TBH BTX									
				#05	6-29-16 1:15		2	TPH BTX									
				#26	6-29-16 2:00		2	TPH BTX									
				#27	6-29-16 2:05		2	TPH BTX									

COPY

6-30-16
8.
9.
10.
11.
12.

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Carl Colby	6-29-16	Richard Miller	6-29-16
			6-30-16 11:40

Account: GADECO/Gadeco, LLC
 Bottle Order: BO35606

Bill to Account: Bill to ACZ
 Ship Date Requested: 06/24/2016
 Request Placed at: 06/23/2016 16:46
 Service Requested: UPS Ground

Sampling supplies

PACK	Qty	ACZ ID	Type	Description
	3	COC	Chain of Custody	Chain of Custody, 1 for 10 samples.
	2	SEAL	Custody Seal	Custody seals for cooler, two for each cooler.
	1	RETURN	Return Address	Return Address label, one for each cooler.
	60	LABELS	Sample Labels	ACZ supplied labels for sample containers

ACZ Coolers

PACK	Qty	ACZ ID	Size	Weight	UPS Tracking Number
	1	4492	Large	17	1Z8101300375101000
	1	3498	Large	17	1Z8101300375101019
	1	2313	Large	17	1Z8101300375100994

Quote number: TPH-BTEX

~20 samples/ one time analyses- TPH(DRO/GRO w BTEX).

Sample Quantity: 30

ACZ is responsible for necessary sample filtering

PACK	Qty	Type	Size	Filter/Raw/Preserve	Instructions
	1	SJ ORG	8 OZ	Raw	Soil analyses - Completely fill jar with a homogenous sample.
	1	SJ ORG VOA	4 OZ	Raw	Soil analyses - Completely fill jar with a homogenous sample.

Prepared By/Date: _____

mwm

Account: GADECO/Gadeco, LLC
 Bottle Order: BO35605

Bill to Account: Bill to ACZ
 Ship Date Requested: 06/24/2016
 Request Placed at: 06/23/2016 16:45
 Service Requested: UPS Ground

Sampling supplies

PACK	Qty	ACZ ID	Type	Description
	1	COC	Chain of Custody	Chain of Custody, 1 for 10 samples.
	2	SEAL	Custody Seal	Custody seals for cooler, two for each cooler.
	1	RETURN	Return Address	Return Address label, one for each cooler.
	24	LABELS	Sample Labels	ACZ supplied labels for sample containers

ACZ Coolers

PACK	Qty	ACZ ID	Size	Weight	UPS Tracking Number
	1	4305	Large	13	1Z8101300375100949
	1	4190	Large	13	1Z8101300375100958

Quote number: 910-1-10DAY

20 Business Day TAT. Soil Samples- COGCC Table 910-1

Sample Quantity: 6

ACZ is responsible for necessary sample filtering

PACK	Qty	Type	Size	Filter/Raw/Preserve	Instructions
	1	1 GAL ZIPLOCK	1 GAL	Raw	Fill bag with a homogenous sample.
	1	SJ INORG	8 OZ	Raw	Soil analyses - Completely fill jar with a homogenous sample.
	1	SJ ORG	8 OZ	Raw	Soil analyses - Completely fill jar with a homogenous sample.
	1	SJ ORG VOA	4 OZ	Raw	Soil analyses - Completely fill jar with a homogenous sample.

Prepared By/Date: _____

mwm