

August 30, 2012

Report to:

Brenda Lamiroy
SG Interests I, Ltd.
1485 Florida Rd. Suite 202
Durango, CO 81301

Bill to:

Brenda Lamiroy
SG Interests I, Ltd.
1485 Florida Rd.
Durango, CO 81301

cc: Eric Petterson

Received 9/4/2012
Rifle COGCC
Note: TCLP
analysis not
comparable to
Table 910-1 levels.

Project ID: Jacobs 29-1 Env Qual
ACZ Project ID: L96153

Brenda Lamiroy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 11, 2012. This project has been assigned to ACZ's project number, L96153. 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 L96153. 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 September 30, 2012. 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.



Sue Webber has reviewed and
approved this report.



SG Interests I, Ltd.

August 30, 2012

Project ID: Jacobs 29-1 Env Qual

ACZ Project ID: L96153

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 2 soil samples from SG Interests I, Ltd. on August 11, 2012. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L96153. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, organic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following anomalies required further explanation not provided by the Extended Qualifier Report.

1. For the DRO OTP recoveries flagged with an "S8" in the QC Summary, the surrogate required dilution such that the surrogate calculation does not provide useful information.
2. For BNA values flagged with an "N1, R1", the LCSS was contaminated from another sample during prep causing matrix suppression, surrogate and RPD failures. Because of the failure/problems, the RPD for the LCSS/LCSSD also failed. Accuracy and precision are demonstrated in the MS/MSD.
3. for BNA Pyrene values flagged with an "R5", recoveries were in limits by the RPD was out. All samples were non-detect for Pyrene, precision for all other spike analytes was acceptable and acceptable recoveries were seen in the LCSSD which was not contaminated.

Methanol was sub-contracted to Accutest. The results can be found starting on page 46 of 60.

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
Date Sampled: 08/10/12 11:15
Date Received: 08/11/12
Sample Matrix: Soil

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Total Hot Plate Digestion	M3010A ICP							08/21/12 16:04	aeb

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic (TCLP)	M6010B ICP		U	*	mg/L	0.06	0.3	08/22/12 11:18	aeb
Barium (TCLP)	M6010B ICP	1.310		*	mg/L	0.003	0.02	08/22/12 11:18	aeb
Cadmium (TCLP)	M6010B ICP		U	*	mg/L	0.005	0.02	08/22/12 11:18	aeb
Chromium (TCLP)	M6010B ICP		U	*	mg/L	0.01	0.05	08/22/12 11:18	aeb
Lead (TCLP)	M6010B ICP		U	*	mg/L	0.04	0.2	08/22/12 11:18	aeb
Mercury (TCLP)	M7470 CVAA		U	*	mg/L	0.0002	0.001	08/21/12 23:14	erf
Selenium (TCLP)	M6010B ICP		U	*	mg/L	0.06	0.3	08/22/12 11:18	aeb
Silver (TCLP)	M6010B ICP		U	*	mg/L	0.01	0.03	08/22/12 11:18	aeb

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
TCLP Metal Extraction	M1311							08/20/12 19:30	cra

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm
Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
Date Sampled: 08/10/12 11:40
Date Received: 08/11/12
Sample Matrix: Soil

Inorganic Prep

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Total Hot Plate Digestion	M3010A ICP							08/21/12 18:02	aeb

Metals Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic (TCLP)	M6010B ICP		U	*	mg/L	0.06	0.3	08/22/12 11:31	aeb
Barium (TCLP)	M6010B ICP	2.020		*	mg/L	0.003	0.02	08/22/12 11:31	aeb
Cadmium (TCLP)	M6010B ICP		U	*	mg/L	0.005	0.02	08/22/12 11:31	aeb
Chromium (TCLP)	M6010B ICP		U	*	mg/L	0.01	0.05	08/22/12 11:31	aeb
Lead (TCLP)	M6010B ICP		U	*	mg/L	0.04	0.2	08/22/12 11:31	aeb
Mercury (TCLP)	M7470 CVAA		U	*	mg/L	0.0002	0.001	08/21/12 23:24	erf
Selenium (TCLP)	M6010B ICP		U	*	mg/L	0.06	0.3	08/22/12 11:31	aeb
Silver (TCLP)	M6010B ICP		U	*	mg/L	0.01	0.03	08/22/12 11:31	aeb

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
TCLP Metal Extraction	M1311							08/21/12 4:30	cra

TCLP metals analysis not appropriate for comparison to Table 910-1 values.

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>MDL</i>	Method Detection Limit. Same as Minimum Reporting Limit. 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, typically 5 times the MDL.
<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>Sample</i>	Value of the Sample of interest

QC Sample Types

<i>AS</i>	Analytical Spike (Post Digestion)	<i>LCSWD</i>	Laboratory Control Sample - Water Duplicate
<i>ASD</i>	Analytical Spike (Post Digestion) Duplicate	<i>LFB</i>	Laboratory Fortified Blank
<i>CCB</i>	Continuing Calibration Blank	<i>LFM</i>	Laboratory Fortified Matrix
<i>CCV</i>	Continuing Calibration Verification standard	<i>LFMD</i>	Laboratory Fortified Matrix Duplicate
<i>DUP</i>	Sample Duplicate	<i>LRB</i>	Laboratory Reagent Blank
<i>ICB</i>	Initial Calibration Blank	<i>MS</i>	Matrix Spike
<i>ICV</i>	Initial Calibration Verification standard	<i>MSD</i>	Matrix Spike Duplicate
<i>ICSAB</i>	Inter-element Correction Standard - A plus B solutions	<i>PBS</i>	Prep Blank - Soil
<i>LCSS</i>	Laboratory Control Sample - Soil	<i>PBW</i>	Prep Blank - Water
<i>LCSSD</i>	Laboratory Control Sample - Soil Duplicate	<i>PQV</i>	Practical Quantitation Verification standard
<i>LCSW</i>	Laboratory Control Sample - Water	<i>SDL</i>	Serial Dilution

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.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
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/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (4) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (5) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

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

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

SG Interests I, Ltd.

ACZ Project ID: **L96153**

Arsenic (TCLP)

M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	4		4.117	mg/L	102.9	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.18	0.18			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.18	0.18			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	1		1.056	mg/L	105.6	85	115			
L96153-01DUP	DUP	08/22/12 11:21			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	1	U	1.048	mg/L	104.8	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	1	U	.98	mg/L	98	75	125	6.71	20	

Barium (TCLP)

M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	2		2.005	mg/L	100.3	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.009	0.009			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.009	0.009			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	20.5		19.16	mg/L	93.5	85	115			
L96153-01DUP	DUP	08/22/12 11:21			1.31	1.372	mg/L				4.6	20	
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	20.5	1.31	21.02	mg/L	96.1	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	20.5	1.31	21.04	mg/L	96.2	75	125	0.1	20	

Cadmium (TCLP)

M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	2		1.963	mg/L	98.2	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.015	0.015			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.015	0.015			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	.5		.4872	mg/L	97.4	85	115			
L96153-01DUP	DUP	08/22/12 11:21			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	.5	U	.4593	mg/L	91.9	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	.5	U	.4479	mg/L	89.6	75	125	2.51	20	

Chromium (TCLP)

M6010B ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	2		1.948	mg/L	97.4	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.03	0.03			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.03	0.03			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	.5		.494	mg/L	98.8	85	115			
L96153-01DUP	DUP	08/22/12 11:21			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	.5	U	.47	mg/L	94	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	.5	U	.461	mg/L	92.2	75	125	1.93	20	

SG Interests I, Ltd.

ACZ Project ID: **L96153**

Lead (TCLP)					M6010B ICP								
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	4		3.957	mg/L	98.9	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.12	0.12			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.12	0.12			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	1		.965	mg/L	96.5	85	115			
L96153-01DUP	DUP	08/22/12 11:21			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	1	U	.916	mg/L	91.6	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	1	U	.916	mg/L	91.6	75	125	0	20	
Mercury (TCLP)					M7470 CVA4								
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328597													
WG328597ICV	ICV	08/21/12 14:41	II120816-4	.005025		.00481	mg/L	95.7	90	110			
WG328597ICB	ICB	08/21/12 14:44				U	mg/L		-0.0006	0.0006			
WG328680													
WG328680PBW	PBW	08/21/12 23:08				U	mg/L		-0.00044	0.00044			
WG328567PBS	PBS	08/21/12 23:10				U	mg/Kg		-0.0006	0.0006			
WG328567LFB	LFB	08/21/12 23:12	II120802-2	.002002		.00199	mg/L	99.4	85	115			
L96153-01DUP	DUP	08/21/12 23:17			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/21/12 23:20	II120802-2	.002002	U	.00192	mg/L	95.9	85	115			
L96153-01MSD	MSD	08/21/12 23:22	II120802-2	.002002	U	.00201	mg/L	100.4	85	115	4.58	20	
Selenium (TCLP)					M6010B ICP								
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	4		4.178	mg/L	104.5	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.18	0.18			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.18	0.18			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	1		1.114	mg/L	111.4	85	115			
L96153-01DUP	DUP	08/22/12 11:21			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	1	U	1.07	mg/L	107	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	1	U	1.072	mg/L	107.2	75	125	0.19	20	
Silver (TCLP)					M6010B ICP								
ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG328751													
WG328751ICV	ICV	08/22/12 10:56	II120711-3	1.003		1.018	mg/L	101.5	90	110			
WG328751ICB	ICB	08/22/12 10:59				U	mg/L		-0.03	0.03			
WG328567PBS	PBS	08/22/12 11:12				U	mg/L		-0.03	0.03			
WG328567LFB	LFB	08/22/12 11:15	IITCLPSPIK	.5		.488	mg/L	97.6	85	115			
L96153-01DUP	DUP	08/22/12 11:21			U	U	mg/L				0	20	RA
L96153-01MS	MS	08/22/12 11:24	IITCLPSPIK	.5	U	.496	mg/L	99.2	75	125			
L96153-01MSD	MSD	08/22/12 11:28	IITCLPSPIK	.5	U	.49	mg/L	98	75	125	1.22	20	

SG Interests I, Ltd.

ACZ Project ID: **L96153**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L96153-01	WG328751	Arsenic (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Barium (TCLP)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Cadmium (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chromium (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Lead (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG328680	Mercury (TCLP)	M7470 CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG328751	Selenium (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Silver (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L96153-02	WG328751	Arsenic (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Barium (TCLP)	M6010B ICP	ZH	Serial Dilution exceeded the acceptance criteria. Matrix interference [physical or chemical] is suspected.
		Cadmium (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Chromium (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Lead (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG328680	Mercury (TCLP)	M7470 CVAA	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG328751	Selenium (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Silver (TCLP)	M6010B ICP	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
 Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
 Date Sampled: 08/10/12 11:15
 Date Received: 08/11/12
 Sample Matrix: Soil

Base Neutral Acid Extractables by GC/MS

Analysis Method: **M8270C GC/MS**
 Extract Method: **M3540**

Workgroup: WG328310

Analyst: itk
 Extract Date: 08/14/12 16:33
 Analysis Date: 08/15/12 19:34

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
1,2,4-Trichlorobenzene	120-82-1		U	66.66	*	ug/Kg	100	700
1,2-Dichlorobenzene	95-50-1		U	66.66	*	ug/Kg	100	700
1,3-Dichlorobenzene	541-73-1		U	66.66	*	ug/Kg	100	700
1,4-Dichlorobenzene	106-46-7		U	66.66	*	ug/Kg	100	700
2,4,5-Trichlorophenol	95-95-4		U	66.66	*	ug/Kg	700	3000
2,4,6-Trichlorophenol	88-06-2		U	66.66	*	ug/Kg	100	700
2,4-Dichlorophenol	120-83-2		U	66.66	*	ug/Kg	100	700
2,4-Dimethylphenol	105-67-9		U	66.66	*	ug/Kg	300	1000
2,4-Dinitrophenol	51-28-5		U	66.66	*	ug/Kg	1000	3000
2,4-Dinitrotoluene	121-14-2		U	66.66	*	ug/Kg	100	700
2,6-Dinitrotoluene	606-20-8		U	66.66	*	ug/Kg	700	3000
2-Chloronaphthalene	91-58-7		U	66.66	*	ug/Kg	100	700
2-Chlorophenol	95-57-8		U	66.66	*	ug/Kg	100	700
2-Methylnaphthalene	91-57-6		U	66.66	*	ug/Kg	100	700
2-Methylphenol	95-48-7		U	66.66	*	ug/Kg	100	700
2-Nitroaniline	88-74-4		U	66.66	*	ug/Kg	700	3000
2-Nitrophenol	88-75-5		U	66.66	*	ug/Kg	300	1000
3- & 4-Methylphenol	1319-77-3		U	66.66	*	ug/Kg	300	1000
3,3-Dichlorobenzidine	91-94-1		U	66.66	*	ug/Kg	1000	3000
3-Nitroaniline	99-09-2		U	66.66	*	ug/Kg	700	3000
4,6-Dinitro-2-methylphenol	534-52-1		U	66.66	*	ug/Kg	700	3000
4-Bromophenyl phenyl ether	101-55-3		U	66.66	*	ug/Kg	100	700
4-Chloro-3-methylphenol	59-50-7		U	66.66	*	ug/Kg	100	700
4-Chloroaniline	106-47-8		U	66.66	*	ug/Kg	100	700
4-Chlorophenyl phenyl ether	7005-72-3		U	66.66	*	ug/Kg	100	700
4-Nitroaniline	100-01-6		U	66.66	*	ug/Kg	700	3000
4-Nitrophenol	100-02-07		U	66.66	*	ug/Kg	700	3000
Acenaphthene	83-32-9		U	66.66	*	ug/Kg	100	700
Acenaphthylene	208-96-8		U	66.66	*	ug/Kg	100	700
Aniline	62-53-3		U	66.66	*	ug/Kg	700	3000
Anthracene	120-12-7		U	66.66	*	ug/Kg	100	700
Azobenzene	103-33-3		U	66.66	*	ug/Kg	700	3000
Benzo(a)anthracene	56-55-3		U	66.66	*	ug/Kg	100	700
Benzo(a)pyrene	50-32-8		U	66.66	*	ug/Kg	100	700
Benzo(b)fluoranthene	205-99-2		U	66.66	*	ug/Kg	100	700
Benzo(g,h,i)perylene	191-24-2		U	66.66	*	ug/Kg	100	700
Benzo(k)fluoranthene	207-08-9		U	66.66	*	ug/Kg	100	700
Benzoic acid	65-85-0		U	66.66	*	ug/Kg	1000	3000

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
 Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
 Date Sampled: 08/10/12 11:15
 Date Received: 08/11/12
 Sample Matrix: Soil

Benzyl alcohol	100-51-6	U	66.66	*	ug/Kg	100	700	
Bis(2-chloroethoxy)methane	111-91-1	U	66.66	*	ug/Kg	100	700	
Bis(2-chloroethyl) ether	111-44-4	U	66.66	*	ug/Kg	100	700	
Bis(2-chloroisopropyl) ether	108-60-1	U	66.66	*	ug/Kg	100	700	
Bis(2-ethylhexyl) phthalate	117-81-7	U	66.66	*	ug/Kg	300	1000	
Butyl benzyl phthalate	85-68-7	U	66.66	*	ug/Kg	100	700	
Chrysene	218-01-9	U	66.66	*	ug/Kg	100	700	
Dibenzo(a,h)anthracene	53-70-3	U	66.66	*	ug/Kg	100	700	
Dibenzofuran	132-64-9	U	66.66	*	ug/Kg	100	700	
Diethylphthalate	84-66-2	U	66.66	*	ug/Kg	100	700	
Dimethyl phthalate	131-11-3	U	66.66	*	ug/Kg	100	700	
Di-n-butyl phthalate	84-74-2	U	66.66	*	ug/Kg	100	700	
Di-n-octyl phthalate	117-84-0	U	66.66	*	ug/Kg	100	700	
Fluoranthene	206-44-0	U	66.66	*	ug/Kg	100	700	
Fluorene	86-73-7	U	66.66	*	ug/Kg	100	700	
Hexachlorobenzene	118-74-1	U	66.66	*	ug/Kg	100	700	
Hexachlorobutadiene	87-68-3	U	66.66	*	ug/Kg	100	700	
Hexachlorocyclopentadiene	77-47-4	U	66.66	*	ug/Kg	100	700	
Hexachloroethane	67-72-1	U	66.66	*	ug/Kg	100	700	
Indeno(1,2,3-cd)pyrene	193-39-5	U	66.66	*	ug/Kg	100	700	
Isophorone	78-59-1	U	66.66	*	ug/Kg	100	700	
Naphthalene	91-20-3	U	66.66	*	ug/Kg	100	700	
Nitrobenzene	98-95-3	U	66.66	*	ug/Kg	100	700	
N-Nitrosodimethylamine	62-75-9	U	66.66	*	ug/Kg	700	3000	
N-Nitrosodi-n-propylamine	621-64-7	U	66.66	*	ug/Kg	100	700	
N-Nitrosodiphenylamine	86-30-6	U	66.66	*	ug/Kg	100	700	
Pentachlorophenol	87-86-5	U	66.66	*	ug/Kg	700	3000	
Phenanthrene	85-01-8	U	66.66	*	ug/Kg	100	700	
Phenol	108-95-2	U	66.66	*	ug/Kg	300	1000	
Pyrene	129-00-0	U	66.66	*	ug/Kg	100	700	
Surrogate Recoveries	CAS		% Recovery	Dilution	XQ	Units	LCL	UCL
2,4,6-Tribromophenol	118-79-6		86.5	66.66	*	%	35	125
2-Fluorobiphenyl	321-60-8		78.8	66.66	*	%	45	105
2-Fluorophenol	367-12-4		77.7	66.66	*	%	35	105
Nitrobenzene-d5	4165-60-0		72.3	66.66	*	%	35	100
Phenol-d6	13127-88-3		64.2	66.66	*	%	40	100
Terphenyl-d14	1718-51-0		85.8	66.66	*	%	30	125

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
 Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
 Date Sampled: 08/10/12 11:15
 Date Received: 08/11/12
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

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

Workgroup: WG328902

Analyst: gk
 Extract Date: 08/21/12 13:12
 Analysis Date: 08/23/12 20:53

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		12	J	33.33	*	mg/Kg	3	20
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	78.9		33.33		%	70	130

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
 Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
 Date Sampled: 08/10/12 11:15
 Date Received: 08/11/12
 Sample Matrix: Soil

Gasoline Range Organics (C6-C10)

Analysis Method: **M8015D GC/FID**
 Extract Method: **5035A**

Workgroup: WG328436

Analyst: pml
 Extract Date: 08/17/12 18:40
 Analysis Date: 08/17/12 18:40

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene (TVH)	460-00 4	94.4		1	*	%	70	130

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
 Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
 Date Sampled: 08/10/12 11:15
 Date Received: 08/11/12
 Sample Matrix: Soil

Volatile Organics by GC/MS

Analysis Method: **M8260B GC/MS**
 Extract Method: **5035A**

Workgroup: WG328379

Analyst: mss
 Extract Date: 08/18/12 19:24
 Analysis Date: 08/18/12 19:24

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
1,1,1,2-Tetrachloroethane	630-20-6	U		1	*	ug/Kg	4	10
1,1,1-Trichloroethane	71-55-6	U		1	*	ug/Kg	10	30
1,1,2,2-Tetrachloroethane	79-34-5	U		1	*	ug/Kg	3	10
1,1,2-Trichloroethane	79-00-5	U		1	*	ug/Kg	4	10
1,1-Dichloroethane	75-34-3	U		1	*	ug/Kg	4	10
1,1-Dichloroethene	75-35-4	U		1	*	ug/Kg	4	10
1,1-Dichloropropene	563-58-6	U		1	*	ug/Kg	4	10
1,2,3-Trichlorobenzene	87-61-6	U		1	*	ug/Kg	4	10
1,2,3-Trichloropropane	96-18-4	U		1	*	ug/Kg	4	10
1,2,4-Trichlorobenzene	120-82-1	U		1	*	ug/Kg	3	10
1,2,4-Trimethylbenzene	95-63-6	U		1	*	ug/Kg	4	10
1,2-Dibromo-3-chloropropane	96-12-8	U		1	*	ug/Kg	4	10
1,2-Dibromoethane	106-93-4	U		1	*	ug/Kg	4	10
1,2-Dichlorobenzene	95-50-1	U		1	*	ug/Kg	4	10
1,2-Dichloroethane	107-06-2	U		1	*	ug/Kg	4	10
1,2-Dichloropropane	78-87-5	U		1	*	ug/Kg	4	10
1,3,5-Trimethylbenzene	108-67-8	U		1	*	ug/Kg	4	10
1,3-Dichlorobenzene	541-73-1	U		1	*	ug/Kg	4	10
1,3-Dichloropropane	142-28-9	U		1	*	ug/Kg	4	10
1,4-Dichlorobenzene	106-46-7	U		1	*	ug/Kg	4	10
2,2-Dichloropropane	594-20-7	U		1	*	ug/Kg	4	10
2-Butanone	78-93-3	U		1	*	ug/Kg	10	30
2-Chloroethyl vinyl ether	110-75-8	U		1	*	ug/Kg	5	30
2-Chlorotoluene	95-49-8	U		1	*	ug/Kg	4	10
2-Hexanone	591-78-6	U		1	*	ug/Kg	10	30
4-Chlorotoluene	106-43-4	U		1	*	ug/Kg	4	10
4-Isopropyltoluene	99-87-6	U		1	*	ug/Kg	4	10
4-Methyl-2-Pentanone	108-10-1	U		1	*	ug/Kg	10	50
Acetone	67-64-1	U		1	*	ug/Kg	10	30
Acrylonitrile	107-13-1	U		1	*	ug/Kg	4	10
Benzene	71-43-2	U		1	*	ug/Kg	4	10
Bromobenzene	108-86-1	U		1	*	ug/Kg	4	10
Bromochloromethane	74-97-5	U		1	*	ug/Kg	4	10
Bromodichloromethane	75-27-4	U		1	*	ug/Kg	4	10
Bromoform	75-25-2	U		1	*	ug/Kg	4	10
Bromomethane	74-83-9	U		1	*	ug/Kg	4	10
Carbon Disulfide	75-15-0	U		1	*	ug/Kg	4	10
Carbon Tetrachloride	56-23-5	U		1	*	ug/Kg	10	30

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual
 Sample ID: CONTAINER 1

ACZ Sample ID: **L96153-01**
 Date Sampled: 08/10/12 11:15
 Date Received: 08/11/12
 Sample Matrix: Soil

Chlorobenzene	108-90-7	U	1	*	ug/Kg	4	10	
Chloroethane	75-00-3	U	1	*	ug/Kg	4	10	
Chloroform	67-66-3	U	1	*	ug/Kg	4	10	
Chloromethane	74-87-3	U	1	*	ug/Kg	4	10	
cis-1,2-Dichloroethene	156-59-2	U	1	*	ug/Kg	4	10	
cis-1,3-Dichloropropene	10061-01-5	U	1	*	ug/Kg	4	10	
Dibromochloromethane	124-48-1	U	1	*	ug/Kg	4	10	
Dibromomethane	74-95-3	U	1	*	ug/Kg	4	10	
Dichlorodifluoromethane	75-71-8	U	1	*	ug/Kg	5	20	
Ethylbenzene	100-41-4	U	1	*	ug/Kg	4	10	
Hexachlorobutadiene	87-68-3	U	1	*	ug/Kg	4	10	
Isopropylbenzene	98-82-8	U	1	*	ug/Kg	4	10	
m p Xylene	1330-20-7	U	1	*	ug/Kg	10	30	
Methyl Tert Butyl Ether	1634-04-4	U	1	*	ug/Kg	4	10	
Methylene Chloride	75-09-2	U	1	*	ug/Kg	4	10	
Naphthalene	91-20-3	U	1	*	ug/Kg	3	10	
n-Butylbenzene	104-51-8	U	1	*	ug/Kg	4	10	
n-Propylbenzene	103-65-1	U	1	*	ug/Kg	4	10	
o Xylene	95-47- 6	U	1	*	ug/Kg	4	10	
sec-Butylbenzene	135-98-8	U	1	*	ug/Kg	4	10	
Styrene	100-42-5	U	1	*	ug/Kg	4	10	
tert-Butylbenzene	98-06-6	U	1	*	ug/Kg	4	10	
Tetrachloroethene	127-18-4	U	1	*	ug/Kg	4	10	
Toluene	108-88-3	U	1	*	ug/Kg	4	10	
trans-1,2-Dichloroethene	156-60-5	U	1	*	ug/Kg	4	10	
trans-1,3-Dichloropropene	10061-02-6	U	1	*	ug/Kg	3	10	
Trichloroethene	79-01-6	U	1	*	ug/Kg	5	20	
Trichlorofluoromethane	75-69-4	U	1	*	ug/Kg	4	10	
Vinyl Acetate	108-05-4	U	1	*	ug/Kg	4	10	
Vinyl Chloride	75-01-4	U	1	*	ug/Kg	4	10	
Surrogate Recoveries	CAS		% Recovery	Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4		97.5	1	*	%	70	130
Dibromofluoromethane	1868-53-7		96.7	1	*	%	70	130
Toluene-d8	2037-26-5		100.2	1	*	%	70	130

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm
 Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
 Date Sampled: 08/10/12 11:40
 Date Received: 08/11/12
 Sample Matrix: Soil

Base Neutral Acid Extractables by GC/MS

Analysis Method: **M8270C GC/MS**
 Extract Method: **M3540**

Workgroup: WG328310

Analyst: itk
 Extract Date: 08/14/12 16:34
 Analysis Date: 08/15/12 20:06

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
1,2,4-Trichlorobenzene	120-82-1		U	66.66	*	ug/Kg	100	700
1,2-Dichlorobenzene	95-50-1		U	66.66	*	ug/Kg	100	700
1,3-Dichlorobenzene	541-73-1		U	66.66	*	ug/Kg	100	700
1,4-Dichlorobenzene	106-46-7		U	66.66	*	ug/Kg	100	700
2,4,5-Trichlorophenol	95-95-4		U	66.66	*	ug/Kg	700	3000
2,4,6-Trichlorophenol	88-06-2		U	66.66	*	ug/Kg	100	700
2,4-Dichlorophenol	120-83-2		U	66.66	*	ug/Kg	100	700
2,4-Dimethylphenol	105-67-9		U	66.66	*	ug/Kg	300	1000
2,4-Dinitrophenol	51-28-5		U	66.66	*	ug/Kg	1000	3000
2,4-Dinitrotoluene	121-14-2		U	66.66	*	ug/Kg	100	700
2,6-Dinitrotoluene	606-20-8		U	66.66	*	ug/Kg	700	3000
2-Chloronaphthalene	91-58-7		U	66.66	*	ug/Kg	100	700
2-Chlorophenol	95-57-8		U	66.66	*	ug/Kg	100	700
2-Methylnaphthalene	91-57-6		U	66.66	*	ug/Kg	100	700
2-Methylphenol	95-48-7		U	66.66	*	ug/Kg	100	700
2-Nitroaniline	88-74-4		U	66.66	*	ug/Kg	700	3000
2-Nitrophenol	88-75-5		U	66.66	*	ug/Kg	300	1000
3- & 4-Methylphenol	1319-77-3		U	66.66	*	ug/Kg	300	1000
3,3-Dichlorobenzidine	91-94-1		U	66.66	*	ug/Kg	1000	3000
3-Nitroaniline	99-09-2		U	66.66	*	ug/Kg	700	3000
4,6-Dinitro-2-methylphenol	534-52-1		U	66.66	*	ug/Kg	700	3000
4-Bromophenyl phenyl ether	101-55-3		U	66.66	*	ug/Kg	100	700
4-Chloro-3-methylphenol	59-50-7		U	66.66	*	ug/Kg	100	700
4-Chloroaniline	106-47-8		U	66.66	*	ug/Kg	100	700
4-Chlorophenyl phenyl ether	7005-72-3		U	66.66	*	ug/Kg	100	700
4-Nitroaniline	100-01-6		U	66.66	*	ug/Kg	700	3000
4-Nitrophenol	100-02-07		U	66.66	*	ug/Kg	700	3000
Acenaphthene	83-32-9		U	66.66	*	ug/Kg	100	700
Acenaphthylene	208-96-8		U	66.66	*	ug/Kg	100	700
Aniline	62-53-3		U	66.66	*	ug/Kg	700	3000
Anthracene	120-12-7		U	66.66	*	ug/Kg	100	700
Azobenzene	103-33-3		U	66.66	*	ug/Kg	700	3000
Benzo(a)anthracene	56-55-3		U	66.66	*	ug/Kg	100	700
Benzo(a)pyrene	50-32-8		U	66.66	*	ug/Kg	100	700
Benzo(b)fluoranthene	205-99-2		U	66.66	*	ug/Kg	100	700
Benzo(g,h,i)perylene	191-24-2		U	66.66	*	ug/Kg	100	700
Benzo(k)fluoranthene	207-08-9		U	66.66	*	ug/Kg	100	700
Benzoic acid	65-85-0		U	66.66	*	ug/Kg	1000	3000

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm
 Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
 Date Sampled: 08/10/12 11:40
 Date Received: 08/11/12
 Sample Matrix: Soil

Benzyl alcohol	100-51-6	U	66.66	*	ug/Kg	100	700
Bis(2-chloroethoxy)methane	111-91-1	U	66.66	*	ug/Kg	100	700
Bis(2-chloroethyl) ether	111-44-4	U	66.66	*	ug/Kg	100	700
Bis(2-chloroisopropyl) ether	108-60-1	U	66.66	*	ug/Kg	100	700
Bis(2-ethylhexyl) phthalate	117-81-7	U	66.66	*	ug/Kg	300	1000
Butyl benzyl phthalate	85-68-7	U	66.66	*	ug/Kg	100	700
Chrysene	218-01-9	U	66.66	*	ug/Kg	100	700
Dibenzo(a,h)anthracene	53-70-3	U	66.66	*	ug/Kg	100	700
Dibenzofuran	132-64-9	U	66.66	*	ug/Kg	100	700
Diethylphthalate	84-66-2	U	66.66	*	ug/Kg	100	700
Dimethyl phthalate	131-11-3	U	66.66	*	ug/Kg	100	700
Di-n-butyl phthalate	84-74-2	U	66.66	*	ug/Kg	100	700
Di-n-octyl phthalate	117-84-0	U	66.66	*	ug/Kg	100	700
Fluoranthene	206-44-0	U	66.66	*	ug/Kg	100	700
Fluorene	86-73-7	U	66.66	*	ug/Kg	100	700
Hexachlorobenzene	118-74-1	U	66.66	*	ug/Kg	100	700
Hexachlorobutadiene	87-68-3	U	66.66	*	ug/Kg	100	700
Hexachlorocyclopentadiene	77-47-4	U	66.66	*	ug/Kg	100	700
Hexachloroethane	67-72-1	U	66.66	*	ug/Kg	100	700
Indeno(1,2,3-cd)pyrene	193-39-5	U	66.66	*	ug/Kg	100	700
Isophorone	78-59-1	U	66.66	*	ug/Kg	100	700
Naphthalene	91-20-3	U	66.66	*	ug/Kg	100	700
Nitrobenzene	98-95-3	U	66.66	*	ug/Kg	100	700
N-Nitrosodimethylamine	62-75-9	U	66.66	*	ug/Kg	700	3000
N-Nitrosodi-n-propylamine	621-64-7	U	66.66	*	ug/Kg	100	700
N-Nitrosodiphenylamine	86-30-6	U	66.66	*	ug/Kg	100	700
Pentachlorophenol	87-86-5	U	66.66	*	ug/Kg	700	3000
Phenanthrene	85-01-8	U	66.66	*	ug/Kg	100	700
Phenol	108-95-2	U	66.66	*	ug/Kg	300	1000
Pyrene	129-00-0	U	66.66	*	ug/Kg	100	700

Surrogate Recoveries	CAS	% Recovery	Dilution	XQ	Units	LCL	UCL
2,4,6-Tribromophenol	118-79-6	85.1	66.66	*	%	35	125
2-Fluorobiphenyl	321-60-8	83	66.66	*	%	45	105
2-Fluorophenol	367-12-4	86.3	66.66	*	%	35	105
Nitrobenzene-d5	4165-60-0	80.2	66.66	*	%	35	100
Phenol-d6	13127-88-3	75.9	66.66	*	%	40	100
Terphenyl-d14	1718-51-0	91.3	66.66	*	%	30	125

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm
 Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
 Date Sampled: 08/10/12 11:40
 Date Received: 08/11/12
 Sample Matrix: Soil

Diesel Range Organics (C10-C28)

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

Workgroup: WG328902

Analyst: gk
 Extract Date: 08/21/12 13:31
 Analysis Date: 08/23/12 21:19

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TPH C10 to C28		4	J	33.33	*	mg/Kg	3	20
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
OTP	84-15-1	77.5		33.33		%	70	130

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm
 Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
 Date Sampled: 08/10/12 11:40
 Date Received: 08/11/12
 Sample Matrix: Soil

Gasoline Range Organics (C6-C10)

Analysis Method: **M8015D GC/FID**
 Extract Method: **5035A**

Workgroup: WG328436

Analyst: pml
 Extract Date: 08/17/12 19:18
 Analysis Date: 08/17/12 19:18

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
TVH C6 to C10	TVH		U	1	*	mg/Kg	0.05	0.05
Surrogate Recoveries	CAS	% Recovery		Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene (TVH)	460-00 4	97.2		1	*	%	70	130

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm
Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
Date Sampled: 08/10/12 11:40
Date Received: 08/11/12
Sample Matrix: Soil

Volatile Organics by GC/MS

Analysis Method: **M8260B GC/MS**
Extract Method: **5035A**

Workgroup: **WG328379**

Analyst: mss
Extract Date: 08/18/12 20:46
Analysis Date: 08/18/12 20:46

Compound	CAS	Result	QUAL	Dilution	XQ	Units	MDL	PQL
1,1,1,2-Tetrachloroethane	630-20-6	U		1	*	ug/Kg	4	10
1,1,1-Trichloroethane	71-55-6	U		1	*	ug/Kg	10	30
1,1,2,2-Tetrachloroethane	79-34-5	U		1	*	ug/Kg	3	10
1,1,2-Trichloroethane	79-00-5	U		1	*	ug/Kg	4	10
1,1-Dichloroethane	75-34-3	U		1	*	ug/Kg	4	10
1,1-Dichloroethene	75-35-4	U		1	*	ug/Kg	4	10
1,1-Dichloropropene	563-58-6	U		1	*	ug/Kg	4	10
1,2,3-Trichlorobenzene	87-61-6	U		1	*	ug/Kg	4	10
1,2,3-Trichloropropane	96-18-4	U		1	*	ug/Kg	4	10
1,2,4-Trichlorobenzene	120-82-1	U		1	*	ug/Kg	3	10
1,2,4-Trimethylbenzene	95-63-6	U		1	*	ug/Kg	4	10
1,2-Dibromo-3-chloropropane	96-12-8	U		1	*	ug/Kg	4	10
1,2-Dibromoethane	106-93-4	U		1	*	ug/Kg	4	10
1,2-Dichlorobenzene	95-50-1	U		1	*	ug/Kg	4	10
1,2-Dichloroethane	107-06-2	U		1	*	ug/Kg	4	10
1,2-Dichloropropane	78-87-5	U		1	*	ug/Kg	4	10
1,3,5-Trimethylbenzene	108-67-8	U		1	*	ug/Kg	4	10
1,3-Dichlorobenzene	541-73-1	U		1	*	ug/Kg	4	10
1,3-Dichloropropane	142-28-9	U		1	*	ug/Kg	4	10
1,4-Dichlorobenzene	106-46-7	U		1	*	ug/Kg	4	10
2,2-Dichloropropane	594-20-7	U		1	*	ug/Kg	4	10
2-Butanone	78-93-3	U		1	*	ug/Kg	10	30
2-Chloroethyl vinyl ether	110-75-8	U		1	*	ug/Kg	5	30
2-Chlorotoluene	95-49-8	U		1	*	ug/Kg	4	10
2-Hexanone	591-78-6	U		1	*	ug/Kg	10	30
4-Chlorotoluene	106-43-4	U		1	*	ug/Kg	4	10
4-Isopropyltoluene	99-87-6	U		1	*	ug/Kg	4	10
4-Methyl-2-Pentanone	108-10-1	U		1	*	ug/Kg	10	50
Acetone	67-64-1	U		1	*	ug/Kg	10	30
Acrylonitrile	107-13-1	U		1	*	ug/Kg	4	10
Benzene	71-43-2	U		1	*	ug/Kg	4	10
Bromobenzene	108-86-1	U		1	*	ug/Kg	4	10
Bromochloromethane	74-97-5	U		1	*	ug/Kg	4	10
Bromodichloromethane	75-27-4	U		1	*	ug/Kg	4	10
Bromoform	75-25-2	U		1	*	ug/Kg	4	10
Bromomethane	74-83-9	U		1	*	ug/Kg	4	10
Carbon Disulfide	75-15-0	U		1	*	ug/Kg	4	10
Carbon Tetrachloride	56-23-5	U		1	*	ug/Kg	10	30

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Project ID: Jacobs 29-1 Env Qual Assm
 Sample ID: CONTAINER 2

ACZ Sample ID: **L96153-02**
 Date Sampled: 08/10/12 11:40
 Date Received: 08/11/12
 Sample Matrix: Soil

Chlorobenzene	108-90-7	U	1	*	ug/Kg	4	10	
Chloroethane	75-00-3	U	1	*	ug/Kg	4	10	
Chloroform	67-66-3	U	1	*	ug/Kg	4	10	
Chloromethane	74-87-3	U	1	*	ug/Kg	4	10	
cis-1,2-Dichloroethene	156-59-2	U	1	*	ug/Kg	4	10	
cis-1,3-Dichloropropene	10061-01-5	U	1	*	ug/Kg	4	10	
Dibromochloromethane	124-48-1	U	1	*	ug/Kg	4	10	
Dibromomethane	74-95-3	U	1	*	ug/Kg	4	10	
Dichlorodifluoromethane	75-71-8	U	1	*	ug/Kg	5	20	
Ethylbenzene	100-41-4	U	1	*	ug/Kg	4	10	
Hexachlorobutadiene	87-68-3	U	1	*	ug/Kg	4	10	
Isopropylbenzene	98-82-8	U	1	*	ug/Kg	4	10	
m p Xylene	1330-20-7	U	1	*	ug/Kg	10	30	
Methyl Tert Butyl Ether	1634-04-4	U	1	*	ug/Kg	4	10	
Methylene Chloride	75-09-2	U	1	*	ug/Kg	4	10	
Naphthalene	91-20-3	U	1	*	ug/Kg	3	10	
n-Butylbenzene	104-51-8	U	1	*	ug/Kg	4	10	
n-Propylbenzene	103-65-1	U	1	*	ug/Kg	4	10	
o Xylene	95-47- 6	U	1	*	ug/Kg	4	10	
sec-Butylbenzene	135-98-8	U	1	*	ug/Kg	4	10	
Styrene	100-42-5	U	1	*	ug/Kg	4	10	
tert-Butylbenzene	98-06-6	U	1	*	ug/Kg	4	10	
Tetrachloroethene	127-18-4	U	1	*	ug/Kg	4	10	
Toluene	108-88-3	U	1	*	ug/Kg	4	10	
trans-1,2-Dichloroethene	156-60-5	U	1	*	ug/Kg	4	10	
trans-1,3-Dichloropropene	10061-02-6	U	1	*	ug/Kg	3	10	
Trichloroethene	79-01-6	U	1	*	ug/Kg	5	20	
Trichlorofluoromethane	75-69-4	U	1	*	ug/Kg	4	10	
Vinyl Acetate	108-05-4	U	1	*	ug/Kg	4	10	
Vinyl Chloride	75-01-4	U	1	*	ug/Kg	4	10	
Surrogate Recoveries	CAS		% Recovery	Dilution	XQ	Units	LCL	UCL
Bromofluorobenzene	460-00-4		99.3	1	*	%	70	130
Dibromofluoromethane	1868-53-7		95.5	1	*	%	70	130
Toluene-d8	2037-26-5		101.7	1	*	%	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. 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, typically 5 times the MDL.
<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.
E	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.
M	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.
P	Analyte concentration differs from second detector by more than 40%.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Relative Percent Difference (RPD) accepted because sample concentrations are less than 10x the MDL.
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.
V	High blank data accepted because sample concentration is 10 times higher than blank concentration.
X	Quality control sample is out of control.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

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, Third Edition with Update III, December 1996.
(5)	Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

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

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

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ACZ Project ID: **L96153**

Base Neutral Acid Extractables by GC/MS

M8270C GC/MS

WG328310

MS	Sample ID: L96153-02MS		PCN/SCN: BNA120618-2-30				Analyzed:		08/15/12 20:37	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,2,4-TRICHLOROBENZENE	1666.7	U	1270	ug/Kg	76.2	45	110			
1,4-DICHLOROBENZENE	1666.7	U	1090	ug/Kg	65.4	35	105			
2,4-DINITROTOLUENE	1666.7	U	1360	ug/Kg	81.6	50	115			
2-CHLOROPHENOL	2500.7	U	2180	ug/Kg	87.2	45	105			
4-CHLORO-3-METHYLPHENOL	2500.3	U	2000	ug/Kg	80.0	45	115			
4-NITROPHENOL	2500.7	U	1990	ug/Kg	79.6	15	140			MD
ACENAPHTHENE	1666.7	U	1370	ug/Kg	82.2	45	110			
N-NITROSODI-N-PROPYLAMINE	1666.7	U	1280	ug/Kg	76.8	40	115			D1
PENTACHLOROPHENOL	2500	U	2370	ug/Kg	94.8	25	120			MD
PHENOL	2500	U	2000	ug/Kg	80.0	40	100			
PYRENE	1666.7	U	1620	ug/Kg	97.2	45	125			
2,4,6-TRIBROMOPHENOL (surr)				%	86.9	35	125			
2-FLUOROBIPHENYL (surr)				%	82.7	45	105			
2-FLUOROPHENOL (surr)				%	86.7	35	105			
NITROBENZENE-D5 (surr)				%	80.2	35	100			
PHENOL-D6 (surr)				%	81.1	40	100			
TERPHENYL-D14 (surr)				%	88.1	30	125			

MSD	Sample ID: L96153-02MSD		PCN/SCN: BNA120618-2-30				Analyzed:		08/15/12 21:08	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,2,4-TRICHLOROBENZENE	1666.7	U	1270	ug/Kg	76.2	45	110	0	20	
1,4-DICHLOROBENZENE	1666.7	U	1120	ug/Kg	67.2	35	105	2.71	20	
2,4-DINITROTOLUENE	1666.7	U	1510	ug/Kg	90.6	50	115	10.45	20	
2-CHLOROPHENOL	2500.7	U	2120	ug/Kg	84.8	45	105	2.79	20	
4-CHLORO-3-METHYLPHENOL	2500.3	U	2010	ug/Kg	80.4	45	115	0.5	20	
4-NITROPHENOL	2500.7	U	2300	ug/Kg	92.0	15	140	14.45	20	MD
ACENAPHTHENE	1666.7	U	1350	ug/Kg	81.0	45	110	1.47	20	
N-NITROSODI-N-PROPYLAMINE	1666.7	U	1370	ug/Kg	82.2	40	115	6.79	20	
PENTACHLOROPHENOL	2500	U	2490	ug/Kg	99.6	25	120	4.94	20	MD
PHENOL	2500	U	2040	ug/Kg	81.6	40	100	1.98	20	
PYRENE	1666.7	U	1210	ug/Kg	72.6	45	125	28.98	20	R5
2,4,6-TRIBROMOPHENOL (surr)				%	88.1	35	125			
2-FLUOROBIPHENYL (surr)				%	91.0	45	105			
2-FLUOROPHENOL (surr)				%	86.1	35	105			
NITROBENZENE-D5 (surr)				%	80.4	35	100			
PHENOL-D6 (surr)				%	81.4	40	100			
TERPHENYL-D14 (surr)				%	100.5	30	125			

LCSS	Sample ID: WG328214LCSS		PCN/SCN: BNA120618-2-30				Analyzed: 08/15/12 18:32			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,2,4-TRICHLOROBENZENE	1666.7		964	ug/Kg	57.8	45	110			N1 R1
1,4-DICHLOROBENZENE	1666.7		773	ug/Kg	46.4	35	105			N1 R1
2,4-DINITROTOLUENE	1666.7		6114	ug/Kg	366.8	50	115			N1 R1
2-CHLOROPHENOL	2500.7		1459	ug/Kg	58.3	45	105			N1 R1

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4-CHLORO-3-METHYLPHENOL	2500.3	1746	ug/Kg	69.8	45	115	N1 R1
4-NITROPHENOL	2500.7	7650	ug/Kg	305.9	15	140	N1 R1
ACENAPHTHENE	1666.7	1476	ug/Kg	88.6	45	110	N1 R1
N-NITROSODI-N-PROPYLAMINE	1666.7	U	ug/Kg	0.0	40	115	N1 R1
PENTACHLOROPHENOL	2500	5260	ug/Kg	210.4	25	120	N1 R1
PHENOL	2500	860	ug/Kg	34.4	40	100	N1 R1
PYRENE	1666.7	732	ug/Kg	43.9	45	125	N1 R1
2,4,6-TRIBROMOPHENOL (surr)			%	247.9	35	125	N1 R1
2-FLUOROBIPHENYL (surr)			%	290.7	45	105	N1 R1
2-FLUOROPHENOL (surr)			%	60.1	35	105	N1 R1
NITROBENZENE-D5 (surr)			%	59.6	35	100	N1 R1
PHENOL-D6 (surr)			%	0.0	40	100	N1 R1
TERPHENYL-D14 (surr)			%	675.0	30	125	N1 R1

LCSSD	Sample ID: WG328214LCSSD		PCN/SCN: BNA120618-2-30				Analyzed:		08/15/12 19:03	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,2,4-TRICHLOROBENZENE	1666.7		1003	ug/Kg	60.2	45	110	4	20	N1 R1
1,4-DICHLOROBENZENE	1666.7		921	ug/Kg	55.3	35	105	17.5	20	N1 R1
2,4-DINITROTOLUENE	1666.7		1336	ug/Kg	80.2	50	115	128.3	20	N1 R1
2-CHLOROPHENOL	2500.7		1671	ug/Kg	66.8	45	105	13.5	20	N1 R1
4-CHLORO-3-METHYLPHENOL	2500.3		1469	ug/Kg	58.8	45	115	17.2	20	N1 R1
4-NITROPHENOL	2500.7		1990	ug/Kg	79.6	15	140	117.4	20	N1 R1
ACENAPHTHENE	1666.7		1043	ug/Kg	62.6	45	110	34.4	20	N1 R1
N-NITROSODI-N-PROPYLAMINE	1666.7		946	ug/Kg	56.8	40	115		20	N1 R1
PENTACHLOROPHENOL	2500		2220	ug/Kg	88.8	25	120	81.3	20	N1 R1
PHENOL	2500		1540	ug/Kg	61.6	40	100	56.7	20	N1 R1
PYRENE	1666.7		1197	ug/Kg	71.8	45	125	48.2	20	N1 R1
2,4,6-TRIBROMOPHENOL (surr)				%	77.6	35	125			N1 R1
2-FLUOROBIPHENYL (surr)				%	67.7	45	105			N1 R1
2-FLUOROPHENOL (surr)				%	67.1	35	105			N1 R1
NITROBENZENE-D5 (surr)				%	63.2	35	100			N1 R1
PHENOL-D6 (surr)				%	61.8	40	100			N1 R1
TERPHENYL-D14 (surr)				%	101.5	30	125			N1 R1

PBS		Sample ID: WG328214PBS					Analyzed:		08/15/12 18:01	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,2,4-TRICHLOROBENZENE			U	ug/Kg		-300	300			
1,2-DICHLOROBENZENE			U	ug/Kg		-300	300			
1,3-DICHLOROBENZENE			U	ug/Kg		-300	300			
1,4-DICHLOROBENZENE			U	ug/Kg		-300	300			
2,4,5-TRICHLOROPHENOL			U	ug/Kg		-2000	2000			
2,4,6-TRICHLOROPHENOL			U	ug/Kg		-300	300			
2,4-DICHLOROPHENOL			U	ug/Kg		-300	300			
2,4-DIMETHYLPHENOL			U	ug/Kg		-700	700			
2,4-DINITROPHENOL			U	ug/Kg		-2000	2000			
2,4-DINITROTOLUENE			U	ug/Kg		-300	300			
2,6-DINITROTOLUENE			U	ug/Kg		-2000	2000			
2-CHLORONAPHTHALENE			U	ug/Kg		-300	300			
2-CHLOROPHENOL			U	ug/Kg		-300	300			

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2-METHYLNAPHTHALENE	U	ug/Kg	-300	300
2-METHYLPHENOL	U	ug/Kg	-300	300
2-NITROANILINE	U	ug/Kg	-2000	2000
2-NITROPHENOL	U	ug/Kg	-700	700
3- & 4-METHYLPHENOL	U	ug/Kg	-700	700
3,3-DICHLOROBENZIDINE	U	ug/Kg	-2000	2000
3-NITROANILINE	U	ug/Kg	-2000	2000
4,6-DINITRO-2-METHYLPHENOL	U	ug/Kg	-2000	2000
4-BROMOPHENYL PHENYL ETHER	U	ug/Kg	-300	300
4-CHLORO-3-METHYLPHENOL	U	ug/Kg	-300	300
4-CHLOROANILINE	U	ug/Kg	-300	300
4-CHLOROPHENYL PHENYL ETHER	U	ug/Kg	-300	300
4-NITROANILINE	U	ug/Kg	-2000	2000
4-NITROPHENOL	U	ug/Kg	-2000	2000
ACENAPHTHENE	U	ug/Kg	-300	300
ACENAPHTHYLENE	U	ug/Kg	-300	300
ANILINE	U	ug/Kg	-2000	2000
ANTHRACENE	U	ug/Kg	-300	300
AZOBENZENE	U	ug/Kg	-2000	2000
BENZO(A)ANTHRACENE	U	ug/Kg	-300	300
BENZO(A)PYRENE	U	ug/Kg	-300	300
BENZO(B)FLUORANTHENE	U	ug/Kg	-300	300
BENZO(G,H,I)PERYLENE	U	ug/Kg	-300	300
BENZO(K)FLUORANTHENE	U	ug/Kg	-300	300
BENZOIC ACID	U	ug/Kg	-2000	2000
BENZYL ALCOHOL	U	ug/Kg	-300	300
BIS(2-CHLOROETHOXY)METHANE	U	ug/Kg	-300	300
BIS(2-CHLOROETHYL) ETHER	U	ug/Kg	-300	300
BIS(2-CHLOROISOPROPYL) ETHER	U	ug/Kg	-300	300
BIS(2-ETHYLHEXYL) PHTHALATE	U	ug/Kg	-700	700
BUTYL BENZYL PHTHALATE	U	ug/Kg	-300	300
CHRYSENE	U	ug/Kg	-300	300
DIBENZO(A,H)ANTHRACENE	U	ug/Kg	-300	300
DIBENZOFURAN	U	ug/Kg	-300	300
DIETHYLPHTHALATE	U	ug/Kg	-300	300
DIMETHYL PHTHALATE	U	ug/Kg	-300	300
DI-N-BUTYL PHTHALATE	U	ug/Kg	-300	300
DI-N-OCTYL PHTHALATE	U	ug/Kg	-300	300
FLUORANTHENE	U	ug/Kg	-300	300
FLUORENE	U	ug/Kg	-300	300
HEXACHLOROBENZENE	U	ug/Kg	-300	300
HEXACHLOROBUTADIENE	U	ug/Kg	-300	300
HEXACHLOROCYCLOPENTADIENE	U	ug/Kg	-300	300
HEXACHLOROETHANE	U	ug/Kg	-300	300
INDENO(1,2,3-CD)PYRENE	U	ug/Kg	-300	300
ISOPHORONE	U	ug/Kg	-300	300
NAPHTHALENE	U	ug/Kg	-300	300
NITROBENZENE	U	ug/Kg	-300	300
N-NITROSODIMETHYLAMINE	U	ug/Kg	-2000	2000

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N-NITROSODI-N-PROPYLAMINE	U	ug/Kg	-300	300
N-NITROSODIPHENYLAMINE	U	ug/Kg	-300	300
PENTACHLOROPHENOL	U	ug/Kg	-2000	2000
PHENANTHRENE	U	ug/Kg	-300	300
PHENOL	U	ug/Kg	-700	700
PYRENE	U	ug/Kg	-300	300
2,4,6-TRIBROMOPHENOL (surr)		%	77.3	35
2-FLUOROBIPHENYL (surr)		%	70.6	45
2-FLUOROPHENOL (surr)		%	74.1	35
NITROBENZENE-D5 (surr)		%	69.9	35
PHENOL-D6 (surr)		%	72.6	40
TERPHENYL-D14 (surr)		%	84.2	30

SG Interests I, Ltd.

ACZ Project ID: **L96153**

Diesel Range Organics (C10-C28)

M8015D GC/FID

WG328902

MS	Sample ID: L96215-01MS		PCN/SCN: TPH120729-1-30				Analyzed:		08/24/12 9:09	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	83.3	7200	2370	mg/Kg	-5796.0	70	130			M3
OTP (surr)				%	0.0	70	130			M3 S8

MSD		Sample ID: L96215-01MSD		PCN/SCN: TPH120729-1-30				Analyzed:		08/24/12 9:34	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual	
TPH C10 TO C28	83.3	7200	2790	mg/Kg	-5292.0	70	130	16.28	20	M3	
OTP (surr)				%	0.0	70	130			S8	

LCSS		Sample ID: WG328204LCSS		PCN/SCN: TPH120729-1-30				Analyzed: 08/23/12 20:01		
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	83.3		76	mg/Kg	91.2	70	130			
OTP (surr)				%	82.4	70	130			

LCSSD		Sample ID: WG328204LCSSD		PCN/SCN: TPH120729-1-30			Analyzed: 08/23/12 20:27			
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28	83.3		76	mg/Kg	91.2	70	130	0	20	
OTP (surr)				%	82.9	70	130			

PBS		Sample ID: WG328204PBS						Analyzed: 08/23/12 19:35		
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
TPH C10 TO C28			U	mg/Kg		-20	20			
OTP (surr)				%	78.2	70	130			

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ACZ Project ID: **L96153**

Gasoline Range Organics (C6-C10)

M8015D GC/FID

WG328436

AS	Sample ID: L96154-01AS		PCN/SCN: B120726-1-SPIK				Analyzed:		08/17/12 13:37	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	25	U	22.52	ug/Kg	90.1	70	130			
ETHYLBENZENE	25	U	23.16	ug/Kg	92.6	70	130			
M P XYLENE	50	U	47.22	ug/Kg	94.4	70	130			
O XYLENE	50	U	44.72	ug/Kg	89.4	70	130			
TOLUENE	75	.2	70.28	ug/Kg	93.4	70	130			
TVH C6 TO C10	.5	U	.51	mg/Kg	102.0	70	130			
BROMOFLUOROBENZENE (surr)				%	92.0	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	98.1	70	130			

ASD	Sample ID: L96154-01ASD		PCN/SCN: B120726-1-SPIK				Analyzed:		08/17/12 14:15	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	25	U	23.44	ug/Kg	93.8	70	130	4	20	
ETHYLBENZENE	25	U	23.74	ug/Kg	95.0	70	130	2.47	20	
M P XYLENE	50	U	48.46	ug/Kg	96.9	70	130	2.59	20	
O XYLENE	50	U	46.35	ug/Kg	92.7	70	130	3.58	20	
TOLUENE	75	.2	71.54	ug/Kg	95.1	70	130	1.78	20	
TVH C6 TO C10	.5	U	.51	mg/Kg	102.0	70	130	0	20	
BROMOFLUOROBENZENE (surr)				%	92.6	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	100.4	70	130			

LCSS	Sample ID: WG328436LCSS		PCN/SCN: B120726-1-SPIK				Analyzed:		08/17/12 11:07	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	25		24.73	ug/Kg	98.9	70	130			
ETHYLBENZENE	25		25.17	ug/Kg	100.7	70	130			
M P XYLENE	50		51.33	ug/Kg	102.7	70	130			
O XYLENE	50		48.76	ug/Kg	97.5	70	130			
TOLUENE	75		75.44	ug/Kg	100.6	70	130			
TVH C6 TO C10	.5		.55	mg/Kg	110.0	70	130			
BROMOFLUOROBENZENE (surr)				%	91.9	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	96.9	70	130			

LCSSD	Sample ID: WG328436LCSSD		PCN/SCN: B120726-1-SPIK				Analyzed:		08/17/12 11:44	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
BENZENE	25		24.84	ug/Kg	99.4	70	130	0.4	20	
ETHYLBENZENE	25		25.67	ug/Kg	102.7	70	130	2	20	
M P XYLENE	50		52.3	ug/Kg	104.6	70	130	1.9	20	
O XYLENE	50		50.86	ug/Kg	101.7	70	130	4.2	20	
TOLUENE	75		75.16	ug/Kg	100.2	70	130	0.4	20	
TVH C6 TO C10	.5		.547	mg/Kg	109.4	70	130	0.5	20	
BROMOFLUOROBENZENE (surr)				%	96.2	70	130			
BROMOFLUOROBENZENE (TVH) (surr)				%	99.5	70	130			

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ACZ Project ID: **L96153**

PBS		Sample ID: WG328436PBS						Analyzed:		08/17/12 12:22	
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)				%	97.1	70	130				
BROMOFLUOROBENZENE (TVH) (surr)				%	101.3	70	130				

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ACZ Project ID: **L96153**

Volatile Organics by GC/MS

M8260B GC/MS

WG328379

MS	Sample ID: L96153-01MS			PCN/SCN: V120818-1-SOIL			Analyzed:		08/18/12 19:51	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,1,1,2-TETRACHLOROETHANE	100.1	U	94.4	ug/Kg	94.4	70	130			
1,1,1-TRICHLOROETHANE	100.4	U	95	ug/Kg	94.6	70	130			
1,1,2,2-TETRACHLOROETHANE	100.3	U	94.5	ug/Kg	94.3	70	130			
1,1,2-TRICHLOROETHANE	100	U	92.1	ug/Kg	92.1	70	130			
1,1-DICHLOROETHANE	100.1	U	96.4	ug/Kg	96.3	70	130			
1,1-DICHLOROETHENE	100	U	97.4	ug/Kg	97.4	70	130			
1,1-DICHLOROPROPENE	100.3	U	94.4	ug/Kg	94.2	70	130			
1,2,3-TRICHLOROBENZENE	100	U	69.3	ug/Kg	69.3	70	130			MA
1,2,3-TRICHLOROPROPANE	100.1	U	93.5	ug/Kg	93.4	70	130			
1,2,4-TRICHLOROBENZENE	100.1	U	73.3	ug/Kg	73.3	70	130			
1,2,4-TRIMETHYLBENZENE	100	U	92.2	ug/Kg	92.2	70	130			
1,2-DIBROMO-3-CHLOROPROPANE	100	U	91.9	ug/Kg	91.9	70	130			
1,2-DIBROMOETHANE	100.2	U	90	ug/Kg	89.8	70	130			
1,2-DICHLOROBENZENE	100.4	U	91.2	ug/Kg	90.9	70	130			
1,2-DICHLOROETHANE	100	U	90.7	ug/Kg	90.7	70	130			
1,2-DICHLOROPROPANE	100.1	U	96.2	ug/Kg	96.2	70	130			
1,3,5-TRIMETHYLBENZENE	100.1	U	96.3	ug/Kg	96.3	70	130			
1,3-DICHLOROBENZENE	100.3	U	93.2	ug/Kg	93.0	70	130			
1,3-DICHLOROPROPANE	100.4	U	93.2	ug/Kg	92.9	70	130			
1,4-DICHLOROBENZENE	100.2	U	92	ug/Kg	91.9	70	130			
2,2-DICHLOROPROPANE	100.1	U	91.4	ug/Kg	91.3	70	130			
2-BUTANONE	200	U	167	ug/Kg	83.5	70	130			
2-CHLOROETHYL VINYL ETHER	100.1	U	90.9	ug/Kg	90.8	70	130			
2-CHLOROTOLUENE	100.1	U	95.3	ug/Kg	95.2	70	130			
2-HEXANONE	200.7	U	129	ug/Kg	64.3	70	130			MA
4-CHLOROTOLUENE	100.3	U	95.2	ug/Kg	95.0	70	130			
4-ISOPROPYLTOLUENE	100.1	U	88.8	ug/Kg	88.7	70	130			
4-METHYL-2-PENTANONE	200.6	U	166	ug/Kg	82.8	70	130			
ACETONE	200.6	U	157	ug/Kg	78.3	70	130			
ACRYLONITRILE	100.3	U	83.3	ug/Kg	83.1	70	130			
BENZENE	100.3	U	95.8	ug/Kg	95.5	70	130			
BROMOBENZENE	100	U	96.8	ug/Kg	96.8	70	130			
BROMOCHLOROMETHANE	100.3	U	92	ug/Kg	91.8	70	130			
BROMODICHLOROMETHANE	100.2	U	95	ug/Kg	94.9	70	130			
BROMOFORM	100.2	U	86.8	ug/Kg	86.6	70	130			
BROMOMETHANE	100.5	U	90.5	ug/Kg	90.0	70	130			
CARBON DISULFIDE	100.3	U	92.5	ug/Kg	92.3	70	130			
CARBON TETRACHLORIDE	100.2	U	95	ug/Kg	94.9	70	130			
CHLOROBENZENE	100.3	U	94.9	ug/Kg	94.6	70	130			
CHLOROETHANE	100.7	U	97.7	ug/Kg	97.0	70	130			
CHLOROFORM	100	U	96.1	ug/Kg	96.1	70	130			
CHLOROMETHANE	100	U	86.4	ug/Kg	86.4	70	130			
CIS-1,2-DICHLOROETHENE	100.3	U	95.3	ug/Kg	95.0	70	130			
CIS-1,3-DICHLOROPROPENE	98.7	U	85.6	ug/Kg	86.8	70	130			

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DIBROMOCHLOROMETHANE	100	U	90.5	ug/Kg	90.5	70	130	
DIBROMOMETHANE	100.5	U	94.3	ug/Kg	93.8	70	130	
DICHLORODIFLUOROMETHANE	100	U	94.6	ug/Kg	94.6	70	130	
ETHYLBENZENE	100.9	U	93.6	ug/Kg	92.8	70	130	
HEXACHLOROBUTADIENE	100	U	60.3	ug/Kg	60.3	70	130	M2
ISOPROPYLBENZENE	100	U	92.1	ug/Kg	92.1	70	130	
M P XYLENE	200.2	U	184	ug/Kg	91.9	70	130	
METHYL TERT BUTYL ETHER	100	U	89.8	ug/Kg	89.8	70	130	
METHYLENE CHLORIDE	100.4	U	95.2	ug/Kg	94.9	70	130	
NAPHTHALENE	100	U	48.5	ug/Kg	48.5	70	130	M2
N-BUTYLBENZENE	100	U	78.4	ug/Kg	78.4	70	130	
N-PROPYLBENZENE	100.3	U	96.7	ug/Kg	96.4	70	130	
O XYLENE	100.1	U	92.3	ug/Kg	92.2	70	130	
SEC-BUTYLBENZENE	100.1	U	91.2	ug/Kg	91.2	70	130	
STYRENE	100.2	U	89.3	ug/Kg	89.1	70	130	
TERT-BUTYLBENZENE	100.2	U	95.9	ug/Kg	95.7	70	130	
TETRACHLOROETHENE	100.4	U	94.1	ug/Kg	93.8	63	131	
TOLUENE	100.1	U	95.3	ug/Kg	95.2	70	130	
TRANS-1,2-DICHLOROETHENE	100.1	U	95.4	ug/Kg	95.3	70	130	
TRANS-1,3-DICHLOROPROPENE	101.5	U	86.4	ug/Kg	85.2	70	130	
TRICHLOROETHENE	100.1	U	99.2	ug/Kg	99.1	70	130	
TRICHLOROFLUOROMETHANE	99.7	U	96	ug/Kg	96.3	70	130	
VINYL ACETATE	100.2	U	U	ug/Kg	0.0	70	130	M2
VINYL CHLORIDE	99	U	88.3	ug/Kg	89.2	70	130	
BROMOFLUOROBENZENE (surr)				%	95.6	70	130	
DIBROMOFLUOROMETHANE (surr)				%	97.3	70	130	
TOLUENE-D8 (surr)				%	100.8	70	130	

MSD	Sample ID: L96153-01MSD			PCN/SCN: V120818-1-SOIL				Analyzed: 08/18/12 20:18		
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,1,1,2-TETRACHLOROETHANE	100.1	U	98.4	ug/Kg	98.4	70	130	4.15	20	
1,1,1-TRICHLOROETHANE	100.4	U	98	ug/Kg	97.6	70	130	3.11	20	
1,1,2,2-TETRACHLOROETHANE	100.3	U	94.8	ug/Kg	94.6	70	130	0.32	20	
1,1,2-TRICHLOROETHANE	100	U	94.9	ug/Kg	94.9	70	130	2.99	20	
1,1-DICHLOROETHANE	100.1	U	98.8	ug/Kg	98.7	70	130	2.46	20	
1,1-DICHLOROETHENE	100	U	99.6	ug/Kg	99.6	70	130	2.23	20	
1,1-DICHLOROPROPENE	100.3	U	98.3	ug/Kg	98.1	70	130	4.05	20	
1,2,3-TRICHLOROBENZENE	100	U	71.2	ug/Kg	71.2	70	130	2.7	20	
1,2,3-TRICHLOROPROPANE	100.1	U	96.7	ug/Kg	96.6	70	130	3.36	20	
1,2,4-TRICHLOROBENZENE	100.1	U	74.7	ug/Kg	74.7	70	130	1.89	20	
1,2,4-TRIMETHYLBENZENE	100	U	93	ug/Kg	93.0	70	130	0.86	20	
1,2-DIBROMO-3-CHLOROPROPANE	100	U	96.5	ug/Kg	96.5	70	130	4.88	20	
1,2-DIBROMOETHANE	100.2	U	96.9	ug/Kg	96.7	70	130	7.38	20	
1,2-DICHLOROBENZENE	100.4	U	91.9	ug/Kg	91.6	70	130	0.76	20	
1,2-DICHLOROETHANE	100	U	93.9	ug/Kg	93.9	70	130	3.47	20	
1,2-DICHLOROPROPANE	100.1	U	96	ug/Kg	96.0	70	130	0.21	20	
1,3,5-TRIMETHYLBENZENE	100.1	U	96.8	ug/Kg	96.8	70	130	0.52	20	
1,3-DICHLOROBENZENE	100.3	U	94.2	ug/Kg	94.0	70	130	1.07	20	
1,3-DICHLOROPROPANE	100.4	U	96.6	ug/Kg	96.3	70	130	3.58	20	

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1,4-DICHLOROBENZENE	100.2	U	92.4	ug/Kg	92.3	70	130	0.43	20	
2,2-DICHLOROPROPANE	100.1	U	93	ug/Kg	92.9	70	130	1.74	20	
2-BUTANONE	200	U	183	ug/Kg	91.5	70	130	9.14	20	
2-CHLOROETHYL VINYL ETHER	100.1	U	94.7	ug/Kg	94.6	70	130	4.09	20	
2-CHLOROTOLUENE	100.1	U	95.5	ug/Kg	95.4	70	130	0.21	20	
2-HEXANONE	200.7	U	142	ug/Kg	70.8	70	130	9.59	20	
4-CHLOROTOLUENE	100.3	U	96.5	ug/Kg	96.3	70	130	1.36	20	
4-ISOPROPYLTOLUENE	100.1	U	90.3	ug/Kg	90.2	70	130	1.68	20	
4-METHYL-2-PENTANONE	200.6	U	175	ug/Kg	87.2	70	130	5.28	20	
ACETONE	200.6	U	177	ug/Kg	88.3	70	130	11.98	20	
ACRYLONITRILE	100.3	U	90.4	ug/Kg	90.2	70	130	8.18	20	
BENZENE	100.3	U	98.8	ug/Kg	98.5	70	130	3.08	20	
BROMOBENZENE	100	U	94.9	ug/Kg	94.9	70	130	1.98	20	
BROMOCHLOROMETHANE	100.3	U	95.4	ug/Kg	95.2	70	130	3.63	20	
BROMODICHLOROMETHANE	100.2	U	96.6	ug/Kg	96.5	70	130	1.67	20	
BROMOFORM	100.2	U	94.7	ug/Kg	94.5	70	130	8.71	20	
BROMOMETHANE	100.5	U	87.9	ug/Kg	87.5	70	130	2.91	20	
CARBON DISULFIDE	100.3	U	92.7	ug/Kg	92.5	70	130	0.22	20	
CARBON TETRACHLORIDE	100.2	U	98	ug/Kg	97.9	70	130	3.11	20	
CHLOROBENZENE	100.3	U	97.4	ug/Kg	97.1	70	130	2.6	20	
CHLOROETHANE	100.7	U	98.8	ug/Kg	98.1	70	130	1.12	20	
CHLOROFORM	100	U	97.9	ug/Kg	97.9	70	130	1.86	20	
CHLOROMETHANE	100	U	89.6	ug/Kg	89.6	70	130	3.64	20	
CIS-1,2-DICHLOROETHENE	100.3	U	97.3	ug/Kg	97.0	70	130	2.08	20	
CIS-1,3-DICHLOROPROPENE	98.7	U	87.7	ug/Kg	88.9	70	130	2.42	20	
DIBROMOCHLOROMETHANE	100	U	96.5	ug/Kg	96.5	70	130	6.42	20	
DIBROMOMETHANE	100.5	U	95.6	ug/Kg	95.1	70	130	1.37	20	
DICHLORODIFLUOROMETHANE	100	U	96.4	ug/Kg	96.4	70	130	1.88	20	
ETHYLBENZENE	100.9	U	98	ug/Kg	97.1	70	130	4.59	20	
HEXACHLOROBUTADIENE	100	U	60.8	ug/Kg	60.8	70	130	0.83	20	M2
ISOPROPYLBENZENE	100	U	97	ug/Kg	97.0	70	130	5.18	20	
M P XYLENE	200.2	U	192	ug/Kg	95.9	70	130	4.26	20	
METHYL TERT BUTYL ETHER	100	U	94.1	ug/Kg	94.1	70	130	4.68	20	
METHYLENE CHLORIDE	100.4	U	96.9	ug/Kg	96.6	70	130	1.77	20	
NAPHTHALENE	100	U	50.5	ug/Kg	50.5	70	130	4.04	20	M2
N-BUTYLBENZENE	100	U	80.3	ug/Kg	80.3	70	130	2.39	20	
N-PROPYLBENZENE	100.3	U	96.5	ug/Kg	96.2	70	130	0.21	20	
O XYLENE	100.1	U	97.1	ug/Kg	97.0	70	130	5.07	20	
SEC-BUTYLBENZENE	100.1	U	91.7	ug/Kg	91.7	70	130	0.55	20	
STYRENE	100.2	U	91.8	ug/Kg	91.6	70	130	2.76	20	
TERT-BUTYLBENZENE	100.2	U	97.2	ug/Kg	97.0	70	130	1.35	20	
TETRACHLOROETHENE	100.4	U	100.5	ug/Kg	100.1	63	131	6.58	20	
TOLUENE	100.1	U	100	ug/Kg	99.9	70	130	4.81	20	
TRANS-1,2-DICHLOROETHENE	100.1	U	98.7	ug/Kg	98.6	70	130	3.4	20	
TRANS-1,3-DICHLOROPROPENE	101.5	U	90.1	ug/Kg	88.8	70	130	4.19	20	
TRICHLOROETHENE	100.1	U	101.1	ug/Kg	101.0	70	130	1.9	20	
TRICHLOROFLUOROMETHANE	99.7	U	99.4	ug/Kg	99.7	70	130	3.48	20	
VINYL ACETATE	100.2	U	U	ug/Kg	0.0	70	130		20	M2
VINYL CHLORIDE	99	U	90.8	ug/Kg	91.7	70	130	2.79	20	

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BROMOFLUOROBENZENE (surr)	%	98.2	70	130
DIBROMOFLUOROMETHANE (surr)	%	99.6	70	130
TOLUENE-D8 (surr)	%	102.7	70	130

LCSS Sample ID: **WG328379LCSS** PCN/SCN: **V120818-1-SOIL** Analyzed: **08/18/12 18:01**

Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,1,1,2-TETRACHLOROETHANE	100.1		99.5	ug/Kg	99.5	70	130			
1,1,1-TRICHLOROETHANE	100.4		100	ug/Kg	99.6	70	130			
1,1,2,2-TETRACHLOROETHANE	100.3		98.9	ug/Kg	98.7	70	130			
1,1,2-TRICHLOROETHANE	100		98.1	ug/Kg	98.1	70	130			
1,1-DICHLOROETHANE	100.1		99.8	ug/Kg	99.7	70	130			
1,1-DICHLOROETHENE	100		100.7	ug/Kg	100.7	70	130			
1,1-DICHLOROPROPENE	100.3		102.9	ug/Kg	102.6	70	130			
1,2,3-TRICHLOROBENZENE	100		101.5	ug/Kg	101.5	70	130			
1,2,3-TRICHLOROPROPANE	100.1		96.1	ug/Kg	96.0	70	130			
1,2,4-TRICHLOROBENZENE	100.1		102.9	ug/Kg	102.8	70	130			
1,2,4-TRIMETHYLBENZENE	100		102	ug/Kg	102.0	70	130			
1,2-DIBROMO-3-CHLOROPROPANE	100		99.9	ug/Kg	99.9	70	130			
1,2-DIBROMOETHANE	100.2		100	ug/Kg	99.8	70	130			
1,2-DICHLOROBENZENE	100.4		99.1	ug/Kg	98.8	70	130			
1,2-DICHLOROETHANE	100		98.1	ug/Kg	98.1	70	130			
1,2-DICHLOROPROPANE	100.1		100.5	ug/Kg	100.4	70	130			
1,3,5-TRIMETHYLBENZENE	100.1		102.3	ug/Kg	102.2	70	130			
1,3-DICHLOROBENZENE	100.3		100.2	ug/Kg	100.0	70	130			
1,3-DICHLOROPROPANE	100.4		100.2	ug/Kg	99.9	70	130			
1,4-DICHLOROBENZENE	100.2		99.9	ug/Kg	99.8	70	130			
2,2-DICHLOROPROPANE	100.1		100.7	ug/Kg	100.6	70	130			
2-BUTANONE	200		188	ug/Kg	94.0	70	130			
2-CHLOROETHYL VINYL ETHER	100.1		100.3	ug/Kg	100.2	70	130			
2-CHLOROTOLUENE	100.1		99.8	ug/Kg	99.7	70	130			
2-HEXANONE	200.7		195	ug/Kg	97.2	70	130			
4-CHLOROTOLUENE	100.3		99.6	ug/Kg	99.4	70	130			
4-ISOPROPYLTOLUENE	100.1		103.5	ug/Kg	103.4	70	130			
4-METHYL-2-PENTANONE	200.6		196	ug/Kg	97.7	70	130			
ACETONE	200.6		174	ug/Kg	86.8	70	130			
ACRYLONITRILE	100.3		97.8	ug/Kg	97.6	70	130			
BENZENE	100.3		100.1	ug/Kg	99.8	70	130			
BROMOBENZENE	100		96.5	ug/Kg	96.5	70	130			
BROMOCHLOROMETHANE	100.3		99.3	ug/Kg	99.1	70	130			
BROMODICHLOROMETHANE	100.2		100.2	ug/Kg	100.0	70	130			
BROMOFORM	100.2		100.2	ug/Kg	100.0	70	130			
BROMOMETHANE	100.5		97.3	ug/Kg	96.8	70	130			
CARBON DISULFIDE	100.3		101.2	ug/Kg	100.9	70	130			
CARBON TETRACHLORIDE	100.2		101	ug/Kg	100.8	70	130			
CHLOROBENZENE	100.3		100.8	ug/Kg	100.5	70	130			
CHLOROETHANE	100.7		99.4	ug/Kg	98.7	70	130			
CHLOROFORM	100		101.1	ug/Kg	101.2	70	130			
CHLOROMETHANE	100		96.7	ug/Kg	96.7	70	130			
CIS-1,2-DICHLOROETHENE	100.3		101	ug/Kg	100.7	70	130			

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CIS-1,3-DICHLOROPROPENE	98.7	101.8	ug/Kg	103.2	70	130
DIBROMOCHLOROMETHANE	100	98.9	ug/Kg	98.9	70	130
DIBROMOMETHANE	100.5	99.9	ug/Kg	99.4	70	130
DICHLORODIFLUOROMETHANE	100	98.6	ug/Kg	98.6	70	130
ETHYLBENZENE	100.9	101.4	ug/Kg	100.5	70	130
HEXACHLOROBUTADIENE	100	102.2	ug/Kg	102.3	70	130
ISOPROPYLBENZENE	100	103.1	ug/Kg	103.1	70	130
M P XYLENE	200.2	203	ug/Kg	101.4	70	130
METHYL TERT BUTYL ETHER	100	95.9	ug/Kg	95.9	70	130
METHYLENE CHLORIDE	100.4	97.2	ug/Kg	96.9	70	130
NAPHTHALENE	100	99.4	ug/Kg	99.4	70	130
N-BUTYLBENZENE	100	103.4	ug/Kg	103.4	70	130
N-PROPYLBENZENE	100.3	101.1	ug/Kg	100.8	70	130
O XYLENE	100.1	100.9	ug/Kg	100.8	70	130
SEC-BUTYLBENZENE	100.1	102.8	ug/Kg	102.7	70	130
STYRENE	100.2	101.5	ug/Kg	101.3	70	130
TERT-BUTYLBENZENE	100.2	101.8	ug/Kg	101.6	70	130
TETRACHLOROETHENE	100.4	102.7	ug/Kg	102.3	63	131
TOLUENE	100.1	101.5	ug/Kg	101.4	70	130
TRANS-1,2-DICHLOROETHENE	100.1	101	ug/Kg	100.9	70	130
TRANS-1,3-DICHLOROPROPENE	101.5	100.2	ug/Kg	98.8	70	130
TRICHLOROETHENE	100.1	102.6	ug/Kg	102.5	70	130
TRICHLOROFLUOROMETHANE	99.7	100.1	ug/Kg	100.4	70	130
VINYL ACETATE	100.2	104.5	ug/Kg	104.3	70	130
VINYL CHLORIDE	99	96.7	ug/Kg	97.7	70	130
BROMOFLUOROBENZENE (surr)			%	98.1	70	130
DIBROMOFLUOROMETHANE (surr)			%	99.3	70	130
TOLUENE-D8 (surr)			%	100.3	70	130

LCSSD	Sample ID: WG328379LCSSD		PCN/SCN: V120818-1-SOIL				Analyzed:		08/18/12 18:29	
Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,1,1,2-TETRACHLOROETHANE	100.1		102.3	ug/Kg	102.2	70	130	2.8	20	
1,1,1-TRICHLOROETHANE	100.4		102	ug/Kg	101.6	70	130	2	20	
1,1,2,2-TETRACHLOROETHANE	100.3		98.7	ug/Kg	98.5	70	130	0.2	20	
1,1,2-TRICHLOROETHANE	100		103.2	ug/Kg	103.3	70	130	5.1	20	
1,1-DICHLOROETHANE	100.1		102.3	ug/Kg	102.2	70	130	2.5	20	
1,1-DICHLOROETHENE	100		103.1	ug/Kg	103.1	70	130	2.4	20	
1,1-DICHLOROPROPENE	100.3		105.8	ug/Kg	105.5	70	130	2.8	20	
1,2,3-TRICHLOROBENZENE	100		105.7	ug/Kg	105.7	70	130	4.1	20	
1,2,3-TRICHLOROPROPANE	100.1		100.5	ug/Kg	100.4	70	130	4.5	20	
1,2,4-TRICHLOROBENZENE	100.1		106.3	ug/Kg	106.2	70	130	3.3	20	
1,2,4-TRIMETHYLBENZENE	100		108.1	ug/Kg	108.1	70	130	5.8	20	
1,2-DIBROMO-3-CHLOROPROPANE	100		97.9	ug/Kg	97.9	70	130	2	20	
1,2-DIBROMOETHANE	100.2		103.6	ug/Kg	103.4	70	130	3.5	20	
1,2-DICHLOROBENZENE	100.4		105.6	ug/Kg	105.2	70	130	6.4	20	
1,2-DICHLOROETHANE	100		101.7	ug/Kg	101.7	70	130	3.6	20	
1,2-DICHLOROPROPANE	100.1		103.9	ug/Kg	103.8	70	130	3.3	20	
1,3,5-TRIMETHYLBENZENE	100.1		106.3	ug/Kg	106.2	70	130	3.8	20	
1,3-DICHLOROBENZENE	100.3		106.3	ug/Kg	106.0	70	130	5.9	20	

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1,3-DICHLOROPROPANE	100.4	104.1	ug/Kg	103.7	70	130	3.8	20
1,4-DICHLOROBENZENE	100.2	106.2	ug/Kg	106.0	70	130	6.1	20
2,2-DICHLOROPROPANE	100.1	100.2	ug/Kg	100.1	70	130	0.5	20
2-BUTANONE	200	191	ug/Kg	95.5	70	130	1.6	20
2-CHLOROETHYL VINYL ETHER	100.1	103.3	ug/Kg	103.2	70	130	2.9	20
2-CHLOROTOLUENE	100.1	104.9	ug/Kg	104.8	70	130	5	20
2-HEXANONE	200.7	196	ug/Kg	97.7	70	130	0.5	20
4-CHLOROTOLUENE	100.3	105.6	ug/Kg	105.3	70	130	5.8	20
4-ISOPROPYLTOLUENE	100.1	106.7	ug/Kg	106.6	70	130	3	20
4-METHYL-2-PENTANONE	200.6	198	ug/Kg	98.7	70	130	1	20
ACETONE	200.6	186	ug/Kg	92.7	70	130	6.7	20
ACRYLONITRILE	100.3	96.9	ug/Kg	96.7	70	130	0.9	20
BENZENE	100.3	103.7	ug/Kg	103.4	70	130	3.5	20
BROMOBENZENE	100	102.7	ug/Kg	102.7	70	130	6.2	20
BROMOCHLOROMETHANE	100.3	101.3	ug/Kg	101.0	70	130	2	20
BROMODICHLOROMETHANE	100.2	104.2	ug/Kg	104.0	70	130	3.9	20
BROMOFORM	100.2	102.4	ug/Kg	102.2	70	130	2.2	20
BROMOMETHANE	100.5	101.3	ug/Kg	100.8	70	130	4	20
CARBON DISULFIDE	100.3	103.7	ug/Kg	103.4	70	130	2.4	20
CARBON TETRACHLORIDE	100.2	102	ug/Kg	101.8	70	130	1	20
CHLOROENZENE	100.3	105.9	ug/Kg	105.6	70	130	4.9	20
CHLOROETHANE	100.7	101.6	ug/Kg	100.9	70	130	2.2	20
CHLOROFORM	100	102.2	ug/Kg	102.3	70	130	1.1	20
CHLOROMETHANE	100	94.7	ug/Kg	94.7	70	130	2.1	20
CIS-1,2-DICHLOROETHENE	100.3	103.1	ug/Kg	102.8	70	130	2.1	20
CIS-1,3-DICHLOROPROPENE	98.7	106.1	ug/Kg	107.6	70	130	4.1	20
DIBROMOCHLOROMETHANE	100	103.3	ug/Kg	103.3	70	130	4.4	20
DIBROMOMETHANE	100.5	102.7	ug/Kg	102.2	70	130	2.8	20
DICHLORODIFLUOROMETHANE	100	97.6	ug/Kg	97.6	70	130	1	20
ETHYLBENZENE	100.9	107.3	ug/Kg	106.3	70	130	5.7	20
HEXACHLOROBUTADIENE	100	107.8	ug/Kg	107.9	70	130	5.3	20
ISOPROPYLBENZENE	100	106.8	ug/Kg	106.8	70	130	3.5	20
M P XYLENE	200.2	212	ug/Kg	105.9	70	130	4.3	20
METHYL TERT BUTYL ETHER	100	100.7	ug/Kg	100.7	70	130	4.9	20
METHYLENE CHLORIDE	100.4	100.4	ug/Kg	100.0	70	130	3.2	20
NAPHTHALENE	100	103.4	ug/Kg	103.4	70	130	3.9	20
N-BUTYLBENZENE	100	106	ug/Kg	106.0	70	130	2.5	20
N-PROPYLBENZENE	100.3	106	ug/Kg	105.7	70	130	4.7	20
O XYLENE	100.1	105.1	ug/Kg	105.0	70	130	4.1	20
SEC-BUTYLBENZENE	100.1	106.6	ug/Kg	106.5	70	130	3.6	20
STYRENE	100.2	108.2	ug/Kg	108.0	70	130	6.4	20
TERT-BUTYLBENZENE	100.2	106.8	ug/Kg	106.6	70	130	4.8	20
TETRACHLOROETHENE	100.4	106.8	ug/Kg	106.4	63	131	3.9	20
TOLUENE	100.1	104	ug/Kg	103.9	70	130	2.4	20
TRANS-1,2-DICHLOROETHENE	100.1	102.6	ug/Kg	102.5	70	130	1.6	20
TRANS-1,3-DICHLOROPROPENE	101.5	103.4	ug/Kg	101.9	70	130	3.1	20
TRICHLOROETHENE	100.1	105.9	ug/Kg	105.8	70	130	3.2	20
TRICHLOROFLUOROMETHANE	99.7	102.4	ug/Kg	102.7	70	130	2.3	20
VINYL ACETATE	100.2	103	ug/Kg	102.8	70	130	1.4	20

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VINYL CHLORIDE	99	89.7	ug/Kg	90.6	70	130	7.5	20
BROMOFLUOROBENZENE (surr)			%	100.6	70	130		
DIBROMOFLUOROMETHANE (surr)			%	100.1	70	130		
TOLUENE-D8 (surr)			%	102.0	70	130		

PBS Sample ID: **WG328379PBS** Analyzed: **08/18/12 18:56**

Compound	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
1,1,1,2-TETRACHLOROETHANE			U	ug/Kg		-10	10			
1,1,1-TRICHLOROETHANE			U	ug/Kg		-30	30			
1,1,2,2-TETRACHLOROETHANE			U	ug/Kg		-10	10			
1,1,2-TRICHLOROETHANE			U	ug/Kg		-10	10			
1,1-DICHLOROETHANE			U	ug/Kg		-10	10			
1,1-DICHLOROETHENE			U	ug/Kg		-10	10			
1,1-DICHLOROPROPENE			U	ug/Kg		-10	10			
1,2,3-TRICHLOROBENZENE			U	ug/Kg		-10	10			
1,2,3-TRICHLOROPROPANE			U	ug/Kg		-10	10			
1,2,4-TRICHLOROBENZENE			U	ug/Kg		-10	10			
1,2,4-TRIMETHYLBENZENE			U	ug/Kg		-10	10			
1,2-DIBROMO-3-CHLOROPROPANE			U	ug/Kg		-10	10			
1,2-DIBROMOETHANE			U	ug/Kg		-10	10			
1,2-DICHLOROBENZENE			U	ug/Kg		-10	10			
1,2-DICHLOROETHANE			U	ug/Kg		-10	10			
1,2-DICHLOROPROPANE			U	ug/Kg		-10	10			
1,3,5-TRIMETHYLBENZENE			U	ug/Kg		-10	10			
1,3-DICHLOROBENZENE			U	ug/Kg		-10	10			
1,3-DICHLOROPROPANE			U	ug/Kg		-10	10			
1,4-DICHLOROBENZENE			U	ug/Kg		-10	10			
2,2-DICHLOROPROPANE			U	ug/Kg		-10	10			
2-BUTANONE			U	ug/Kg		-30	30			
2-CHLOROETHYL VINYL ETHER			U	ug/Kg		-30	30			
2-CHLOROTOLUENE			U	ug/Kg		-10	10			
2-HEXANONE			U	ug/Kg		-30	30			
4-CHLOROTOLUENE			U	ug/Kg		-10	10			
4-ISOPROPYLTOLUENE			U	ug/Kg		-10	10			
4-METHYL-2-PENTANONE			U	ug/Kg		-100	100			
ACETONE			U	ug/Kg		-30	30			
ACRYLONITRILE			U	ug/Kg		-10	10			
BENZENE			U	ug/Kg		-10	10			
BROMOBENZENE			U	ug/Kg		-10	10			
BROMOCHLOROMETHANE			U	ug/Kg		-10	10			
BROMODICHLOROMETHANE			U	ug/Kg		-10	10			
BROMOFORM			U	ug/Kg		-10	10			
BROMOMETHANE			U	ug/Kg		-10	10			
CARBON DISULFIDE			U	ug/Kg		-10	10			
CARBON TETRACHLORIDE			U	ug/Kg		-30	30			
CHLOROBENZENE			U	ug/Kg		-10	10			
CHLOROETHANE			U	ug/Kg		-10	10			
CHLOROFORM			U	ug/Kg		-10	10			
CHLOROMETHANE			U	ug/Kg		-10	10			

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CIS-1,2-DICHLOROETHENE	U	ug/Kg	-10	10
CIS-1,3-DICHLOROPROPENE	U	ug/Kg	-10	10
DIBROMOCHLOROMETHANE	U	ug/Kg	-10	10
DIBROMOMETHANE	U	ug/Kg	-10	10
DICHLORODIFLUOROMETHANE	U	ug/Kg	-20	20
ETHYLBENZENE	U	ug/Kg	-10	10
HEXACHLOROBUTADIENE	U	ug/Kg	-10	10
ISOPROPYLBENZENE	U	ug/Kg	-10	10
M P XYLENE	U	ug/Kg	-30	30
METHYL TERT BUTYL ETHER	U	ug/Kg	-10	10
METHYLENE CHLORIDE	U	ug/Kg	-10	10
NAPHTHALENE	U	ug/Kg	-10	10
N-BUTYLBENZENE	U	ug/Kg	-10	10
N-PROPYLBENZENE	U	ug/Kg	-10	10
O XYLENE	U	ug/Kg	-10	10
SEC-BUTYLBENZENE	U	ug/Kg	-10	10
STYRENE	U	ug/Kg	-10	10
TERT-BUTYLBENZENE	U	ug/Kg	-10	10
TETRACHLOROETHENE	U	ug/Kg	-10	10
TOLUENE	U	ug/Kg	-10	10
TRANS-1,2-DICHLOROETHENE	U	ug/Kg	-10	10
TRANS-1,3-DICHLOROPROPENE	U	ug/Kg	-10	10
TRICHLOROETHENE	U	ug/Kg	-20	20
TRICHLOROFLUOROMETHANE	U	ug/Kg	-10	10
VINYL ACETATE	U	ug/Kg	-10	10
VINYL CHLORIDE	U	ug/Kg	-10	10
BROMOFLUOROBENZENE (surr)		%	99.3	70
DIBROMOFLUOROMETHANE (surr)		%	97.4	70
TOLUENE-D8 (surr)		%	100.0	70
				130

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L96153-01	WG328310	*All Compounds*	M8270C GC/MS	D1	Sample required dilution due to matrix.
			M8270C GC/MS	N1	See Case Narrative.
			M8270C GC/MS	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		4-Nitrophenol	M8270C GC/MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
		Pentachlorophenol	M8270C GC/MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
		Pyrene	M8270C GC/MS	R5	RPD for a spike and spike duplicate exceeded the method or laboratory acceptance limit. See Case Narrative.
	WG328902	TPH C10 to C28	M8015D GC/FID	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG328436	*All Compounds*	M8015D GC/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.
	WG328379		M8260B GC/MS	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.
		1,2,3-Trichlorobenzene	M8260B GC/MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		2-Hexanone	M8260B GC/MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Hexachlorobutadiene	M8260B GC/MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Naphthalene	M8260B GC/MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Vinyl Acetate	M8260B GC/MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L96153-02	WG328310	*All Compounds*	M8270C GC/MS	D1	Sample required dilution due to matrix.
			M8270C GC/MS	N1	See Case Narrative.
			M8270C GC/MS	R1	RPD exceeded the method or laboratory acceptance limit. See Case Narrative.
		4-Nitrophenol	M8270C GC/MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
		Pentachlorophenol	M8270C GC/MS	MD	The spike recovery (and spike duplicate RPD, if applicable) was not used for data validation because the concentration of the sample and/or the spike was less than the reporting limit.
		Pyrene	M8270C GC/MS	R5	RPD for a spike and spike duplicate exceeded the method or laboratory acceptance limit. See Case Narrative.
	WG328902	TPH C10 to C28	M8015D GC/FID	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG328436	*All Compounds*	M8015D GC/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.
	WG328379		M8260B GC/MS	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.
		1,2,3-Trichlorobenzene	M8260B GC/MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		2-Hexanone	M8260B GC/MS	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the

SG Interests I, Ltd.

ACZ Project ID: **L96153**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
		Hexachlorobutadiene	M8260B GC/MS	M2	acceptance limits. Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Naphthalene	M8260B GC/MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
		Vinyl Acetate	M8260B GC/MS	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual

Sample ID: CONTAINER 1

Locator:

ACZ Sample ID: **L96153-01**

Date Sampled: 08/10/12 11:15

Date Received: 08/11/12

Sample Matrix: Soil

Gross Alpha

Prep Method:

M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	08/28/12 11:58		6.1	2	1	pCi/g	*	mla

SG Interests I, Ltd.

Project ID: Jacobs 29-1 Env Qual Assm

Sample ID: CONTAINER 2

Locator:

ACZ Sample ID: **L96153-02**

Date Sampled: 08/10/12 11:40

Date Received: 08/11/12

Sample Matrix: Soil

Gross Alpha

Prep Method:

M9310

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Gross Alpha	08/28/12 11:59		5.8	1.4	0.59	pCi/g	*	mla

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	MS/MSD	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	PBS	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	PBW	Prep Blank - Water

QC Sample Type Explanations

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

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.
R	Poor spike recovery accepted because the other spike in the set fell within the given limits.
T	High Replicate Error Ratio (RER) accepted because sample concentrations are less than 10x the MDL.
U	No nuclides detected above the Lower Limit of Detection (LLD)
V	High blank data accepted because sample concentration is 10 times higher than blank concentration
X	QC is out of control. See Case Narrative.
Z	Poor spike recovery is accepted because sample concentration is four times greater than spike concentration.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater, 19th edition (1995) & 20th edition (1998).
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

- (1) Solid matrices are reported on a dry weight basis.
- (2) Preparation method: "Method" indicates preparation defined in analytical method.
- (3) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

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

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

SG Interests I, Ltd.

ACZ Project ID: **L96153**

Gross Alpha

M9310

Units: pCi/g

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG329276																
WG328845PBS	PBS	08/28/12						.5	0.36	0.29			0.58			
WG328845LCSS	LCSS	08/28/12	RC111214-2	16.21				18	1.6	0.28	111	83	133			
L96153-01DUP	DUP-RER	08/28/12			6.1	2	1	6.1	2.1	1.2				0	2	
L96153-02MS	MS	08/28/12	RC111214-2	17.25	5.8	1.4	0.59	6	0.84	0.22	1.2	83	133			M2

SG Interests I, Ltd.

ACZ Project ID: **L96153**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L96153-01	WG329276	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
L96153-02	WG329276	Gross Alpha	M9310	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

SG Interests I, Ltd.

ACZ Project ID: **L96153**

GC/MS

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

Aniline

M8270C GC/MS

SG Interests I, Ltd.
Jacobs 29-1 Env Qual Assmt

ACZ Project ID: L96153
Date Received: 08/11/2012 10:47
Received By: ksj
Date Printed: 8/13/2012

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2) Is the Chain of Custody or other directive shipping papers present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Does this project require special handling procedures such as CLP protocol?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4) Are any samples NRC licensable material?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5) If samples are received past hold time, proceed with requested short hold time analyses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6) Is the Chain of Custody complete and accurate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7) Were any changes made to the Chain of Custody prior to ACZ receiving the samples?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Samples/Containers

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

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3425	2.9	15	Yes

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



Laboratories, Inc.

C96153

CHAIN OF CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-3493

Name: Brenda Lomiroy
Company: SG Interests
E-mail: blomiroy@sginterests.com

Address: 1485 Florida Rd. Suite 202
Durango, Co. 81301
Telephone: 970-385-0696

Name: Eric Petterson
Company: RMES, Inc.

E-mail: epetterson@rmes-inc.com
Telephone: 970-945-9558

Name: Brenda Lomiroy
Company: SG Interests
E-mail: blomiroy@sginterests.com

Address: 1485 Florida Rd. Suite 202
Durango, Co. 81301
Telephone: 970-385-0696

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: Steve Petterson Sampler's site information State: Co. Zip code: 81601 Time Zone: Mtn.

Quote #: Land-Farm
Project/PO #: Jacobs 29-1 Env. qual. assmt
Reporting state for compliance testing:
Check box if samples include NRC licensed material? ☐

of Containers

Container	Date/Time	HT	# of Containers
Container 1	8-10-12 11:15 AM	30	4
Container 2	8-10-12 11:10 AM	"	4

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

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

Signature: Steve Petterson
Name: Steve Petterson

Date/Time: 8-10-12 3:20 PM

Signature: [Signature]
Date/Time: 8-11-12 10:41



SUBCONTRACTED WORKGROUP REVIEW FORM

GENERAL INFORMATION

WG#: 328930 Sub-Contract Lab: Accutest Labs
Method: Methanol
ACZ Sample ID's: L96153-01 + 02 Dept. 60

ANALYST REQUIREMENTS

A) Hold Times Met?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Not indicated on report <input type="checkbox"/>
B) QC Criteria Valid?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Not indicated on report <input type="checkbox"/>
C) Sample Dilution Factors appropriate?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Not indicated on report <input type="checkbox"/>
D) Date & Time of Analysis on Report?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	Not indicated on report <input type="checkbox"/>
E) MDLs and PQLs Listed on Report?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Not indicated on report <input type="checkbox"/>

Comments: D) Date of analysis only
E) RL & MDL reported

Audrey Stover Audrey Stover 8-24-12
Reviewer's Name Signature Date



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08/23/12

Technical Report for

ACZ Laboratories, Inc.

L96153

Accutest Job Number: D37512

Sampling Date: 08/10/12

Report to:

ACZ Laboratories, Inc.
2773 Downhill Drive
Steamboat Springs, CO 80487
suew@acz.com

ATTN: Sue Webber

Total number of pages in report: 15



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Brad Madadian
Laboratory Director

Client Service contact: Shea Greiner 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

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Sample Summary

ACZ Laboratories, Inc.

Job No: D37512

L96153

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D37512-1	08/10/12	11:15	08/15/12	SO	Soil	L96153-01
D37512-2	08/10/12	11:40	08/15/12	SO	Soil	L96153-02

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: ACZ Laboratories, Inc.

Job No D37512

Site: L96153

Report Date 8/23/2012 3:51:56 PM

On 08/15/2012, 2 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 5.2 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D37512 was assigned to the project. The lab sample IDs, client sample IDs, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix	SO	Batch ID:	GFA611
---------------	-----------	------------------	--------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D37512-2MS, D37512-2MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix	SO	Batch ID:	GN16334
---------------	-----------	------------------	---------

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Summary of Hits

Page 1 of 1

Job Number: D37512
Account: ACZ Laboratories, Inc.
Project: L96153
Collected: 08/10/12



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

D37512-1 L96153-01

No hits reported in this sample.

D37512-2 L96153-02

No hits reported in this sample.



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4

Sample Results

Report of Analysis



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Report of Analysis

Page 1 of 1

Client Sample ID:	L96153-01	Date Sampled:	08/10/12
Lab Sample ID:	D37512-1	Date Received:	08/15/12
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	SW846 8015B		
Project:	L96153		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FA09531.D	1	08/21/12	AV	n/a	n/a	GFA611
Run #2							

	Initial weight	Final Volume
Run #1	2.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	ND	2.9	2.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
71-36-3	n-Butyl Alcohol	126%		10-164%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	L96153-02	Date Sampled:	08/10/12
Lab Sample ID:	D37512-2	Date Received:	08/15/12
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	SW846 8015B		
Project:	L96153		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FA09532.D	1	08/21/12	AV	n/a	n/a	GFA611
Run #2							

	Initial weight	Final Volume
Run #1	2.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	ND	2.8	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
71-36-3	n-Butyl Alcohol	119%		10-164%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Modular
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Misc. Forms



Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody





Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D37512

Client: ACZ LABS.

Immediate Client Services Action Required: No

Date / Time Received: 8/15/2012 10:30:00 AM

No. Coolers: 1

Client Service Action Required at Login: No

Project: L96153

Airbill #'s: ups

Cooler Security

Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

Y or N

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK: ☒ ☐

Cooler Temperature

Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: Infrared gun
3. Cooler media: Ice (bag)

Quality Control Preservation

Y or N N/A

1. Trip Blank present / cooler: ☐ ☐
2. Trip Blank listed on COC: ☐ ☐
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☐ ☐ ☒

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume rec'd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Comments

Accutest Laboratories
V: (303) 425-6021

4036 Youngfield Street
F: (303) 425-6954

Wheat Ridge, CO
www.accutest.com

D37512: Chain of Custody

Page 2 of 2



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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries



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D3751.2

LABORATORIES

Method Blank Summary

Page 1 of 1

Job Number: D37512

Account: ACZLCOSS ACZ Laboratories, Inc.

Project: L96153

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GC3062-MB	FA09527.D	1	08/21/12	AV	n/a	n/a	GFA611

The QC reported here applies to the following samples:

Method: SW846 8015B

D37512-1, D37512-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	ND	2.5	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
71-36-3	n-Butyl Alcohol	105% 10-164%

6.1.1

6

Blank Spike Summary

Page 1 of 1

Job Number: D37512

Account: ACZLCOSS ACZ Laboratories, Inc.

Project: L96153

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GC3062-BS	FA09528.D	1	08/21/12	AV	n/a	n/a	GFA611

The QC reported here applies to the following samples:

Method: SW846 8015B

D37512-1, D37512-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
67-56-1	Methanol	125	129	103	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
71-36-3	n-Butyl Alcohol	101%	10-164%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D37512

Account: ACZLCOSS ACZ Laboratories, Inc.

Project: L96153

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GC3062-MS	FA09529.D	1	08/21/12	AV	n/a	n/a	GFA611
GC3062-MSD	FA09530.D	1	08/21/12	AV	n/a	n/a	GFA611
D37512-2	FA09532.D	1	08/21/12	AV	n/a	n/a	GFA611

The QC reported here applies to the following samples:

Method: SW846 8015B

D37512-1, D37512-2

CAS No.	Compound	D37512-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
67-56-1	Methanol	ND		141	131	93	144	100	9	52-136/30

CAS No.	Surrogate Recoveries	MS	MSD	D37512-2	Limits
71-36-3	n-Butyl Alcohol	97%	104%	119%	10-164%

* = Outside of Control Limits.