

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax 894-2109



FOR OGCC USE ONLY

**SITE INVESTIGATION AND REMEDIATION WORKPLAN**

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee: \_\_\_\_\_

Spill  Complaint

Inspection  NOAV

Tracking No: \_\_\_\_\_

**CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED**

- Spill or Release  Plug & Abandon  Central Facility Closure  Site/Facility Closure  Other (describe): Pit Closure

**GENERAL INFORMATION**

<b>OGCC Operator Number:</b> <u>52530</u> Name of Operator: <u>Magpie Operating Inc</u> Address: <u>2707 South County Road 11</u> City: <u>Loveland</u> State: <u>CO</u> Zip: <u>80537</u>	Contact Name and Telephone Name: <u>Ryan Warner</u> No: <u>970.669.6308</u> Fax: <u>970.669.6396</u>
API/Facility No: <u>075-05621</u> Facility Name: <u>Warnecke - Skim Pit</u> Well Name: <u>Warnecke</u> Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SESE 30 8N 53W</u>	County: <u>Logan</u> Facility Number: <u>218853</u> Well Number: <u>12-33</u> Latitude: <u>40.625638</u> Longitude: <u>-103.337188</u>

**TECHNICAL CONDITIONS**

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Produced Water

Site Conditions: Is location within a sensitive area (according to Rule 901e)?  Y  N If yes, attach evaluation. Surface water adjacent to site

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Dry land farming

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Weld loam, 1-3% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Irrigation channel 500' WNW of site, Water Well #65039 approximately 1,000' SE of the site

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	<u>30' x 20' (1 oil skim pit)</u>	<u>Observation, Sampling and laboratory analysis</u>
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface water	_____	_____

**REMEDIATION WORKPLAN**

Describe initial action taken (if previously provided, refer to that form or document):

Not Applicable

Describe how source is to be removed:

See attached report.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

Approximately 225 cubic yards of impacted soil were excavated and hauled to an offsite approved waste facility. See attached report.

State of Colorado  
Oil and Gas Conservation Commission

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(303) 894-2100 Fax 894-2109



Tracking Number: \_\_\_\_\_  
 Name of Operator: Magpie Operating Inc  
 OGCC Operator No: 52530  
 Received Date: \_\_\_\_\_  
 Well Name & No: Warnecke 1  
 Facility Name & No.: Warnecke Skim Pit 218853

**REMEDIATION WORKPLAN (CONT.)**

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):  
 Groundwater was not encountered during excavation and sampling activities to a depth of 8 feet below ground surface.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.  
 The pit will be backfilled with clean soil. The ground surface will be contoured to match the existing grade. The backfilled area will be reseeded when the production pad is abandoned in the future.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.  
 Is further site investigation required?  Y  N If yes, describe:  
 Analytical results for the oil skim pit sidewalls and bottoms indicate benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH)-gasoline range organics, TPH-diesel range organics, and Table 910-1 Metals were in compliance with Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 Concentration Levels.  
 As the oil skim pit has been remediated to meet cleanup levels specified in COGCC Table 910-1, Magpie is requesting authorization to backfill the compliant pit. See attached report for more details.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):  
 Approximately 225 cubic yards of impacted soil were excavated and hauled to an offsite approved waste facility. Manifests are included in the attached report.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began:	<u>3/1/2014</u>	Date Site Investigation Completed:	<u>4/23/2014</u>	Remediation Plan Submitted:	<u>3/4/2013</u>
Remediation Start Date:	<u>3/1/2014</u>	Anticipated Completion Date:	<u>6/4/2013</u>	Actual Completion Date:	<u>4/23/2014</u>

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.  
 Print Name: Ryan Warner  
 Signed: Ryan Warner Title: VP Date: 6/12/14

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_



June 11, 2014

Mr. John Axelson  
Northeast Region Environmental Protection Specialist  
Colorado Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203

**RE: Magpie Operating Inc.  
Warnecke #1  
API 075-05621  
Facility ID: 218853  
SESE Sec. 30 T8N R53W  
Logan County, Colorado**

Dear Mr. Axelson:

LT Environmental, Inc. (LTE), under the direction of Magpie Operating, Inc. (Magpie), conducted environmental remediation and sampling activities following the identification of petroleum hydrocarbon impacted soil during oil skim pit closure activities at the Warnecke 1 Tank Battery (Site). The Site is located 400 feet north of the intersection of County Road (CR) 27 and Highway 14 in Logan County, Colorado (Figure 1).

On February 27, 2014, LTE personnel were present to sample the bottom and sidewalls of an excavation of the skim pit conducted by Magpie at the Site. Discrete soil samples were collected from the oil skim pit sidewalls (NSWS@4', ESWS@4', SSWS@4', and WSWS@4') and oil skim pit bottom (BS@8') as illustrated in Figure 2. Soil samples were submitted to Summit Scientific, Inc. (Summit) of Golden, Colorado, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) by United States Environmental Protection Agency (EPA) Method 8260B, TPH-diesel range organics (DRO) by EPA Modified Method 8015, sodium adsorption ratio (SAR) by SW846 3050B/6010C, pH by EPA 9045D, and electrical conductivity (EC) reported as specific conductance by EPA 120.1.

Soil analytical results from the initial site investigation sampling indicated that all confirmation samples except the west sidewall sample (WSWS@4') were below the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 Concentration Levels for BTEX, TPH-DRO and TPH-GRO. While all samples exceeded the COGCC Concentration Level for pH with values ranging from 9.03 to 9.57, none of the samples exceeded the COGCC values for SAR or EC and the samples were collected from below the anticipated root zone. Additionally, sample WSWS@4' exceeded the COGCC Concentration Level for TPH-DRO. As such, an additional 3 feet of the west wall of the excavation was removed and resampled on April 7, 2014. The resampled west sidewall (W01@4') was below the Colorado Oil and Gas Conservation Commission (COGCC) Concentration Levels for all of the analyzed constituents.



Approximately 225 cubic yards of impacted soil was removed from the former oil skim pit and loaded into trucks. The soil was disposed of at North Weld Landfill located in Ault, Colorado. Manifests can be found in Attachment 2.

Soil analytical results from the initial site investigation sampling indicated that the sidewall samples and bottom samples were below the Colorado Oil and Gas Conservation Commission (COGCC) Concentration Levels for all of the analyzed constituents.

As soil in the former oil skim pit has now been remediated to achieve COGCC cleanup goals, Magpie is requesting site closure and authorization to backfill the compliant pit.

Please call LTE at 303-433-9788 if you have any questions or comments regarding this report.

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read 'E. Lang', written over a light gray background.

Eric Lang, P.G.  
Project Geologist

A handwritten signature in black ink, appearing to read 'John D. Peterson', written over a light gray background.

John D. Peterson, P.G.  
Executive Vice President

Attachments:

- Figure 1 - Site Location Map
- Figure 2 - Site Map
- Table 1 - Soil Analytical Results – Oil Skim Pit
- Attachment 1 - Laboratory Analytical Reports
- Attachment 2 – Waste Manifests

**FIGURES**



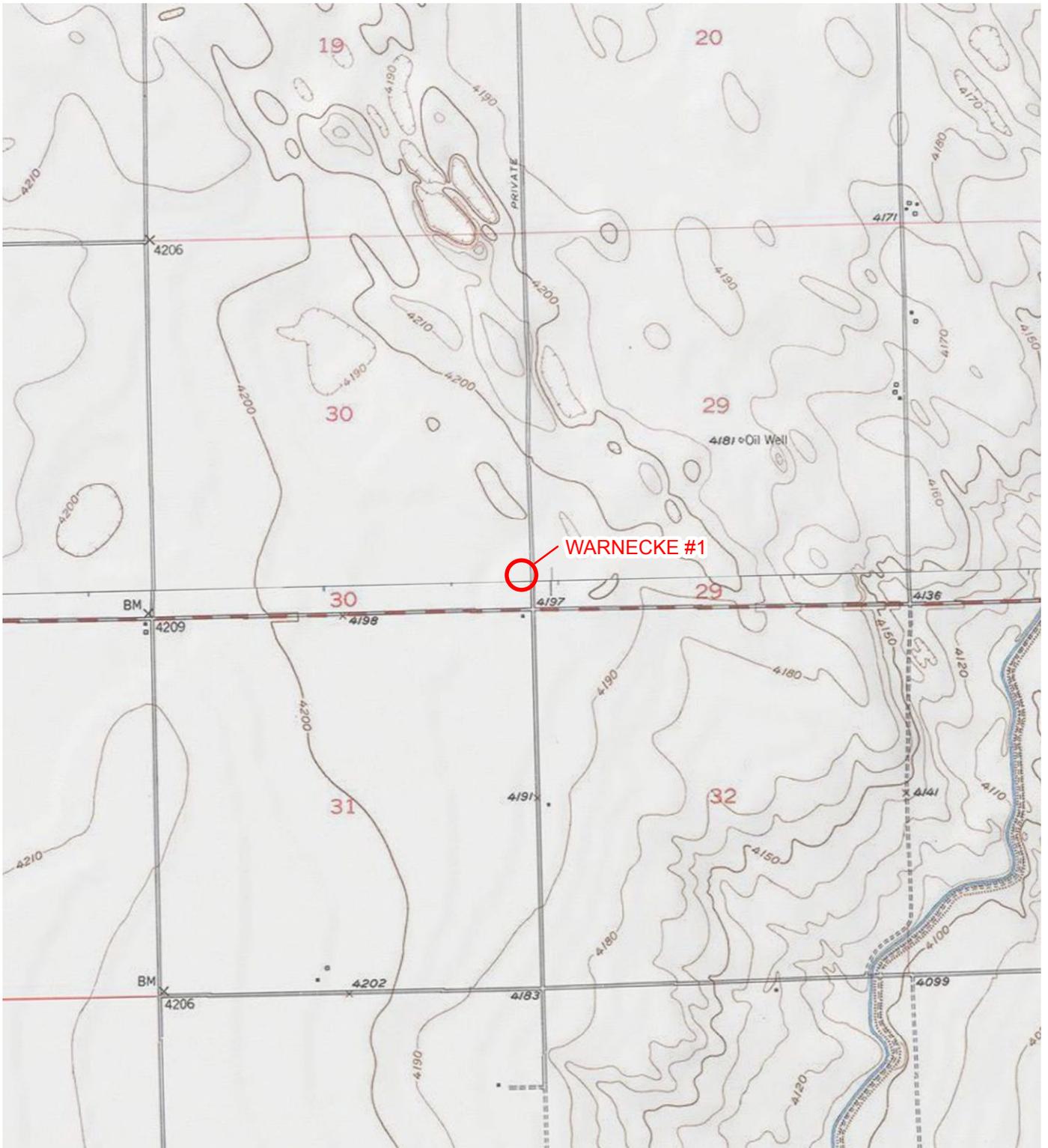
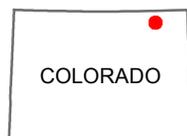
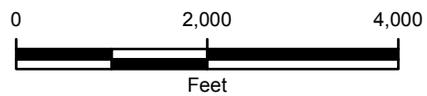


IMAGE COURTESY OF ESRI/USGS

**LEGEND**

 SITE LOCATION



COLORADO

**FIGURE 1**  
**SITE LOCATION MAP**  
**WARNECKE #1**  
**LOGAN COUNTY, COLORADO**



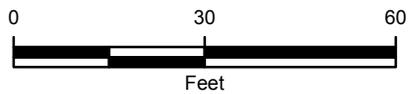
**MAGPIE OPERATING INC**



**LEGEND**

- SOIL SAMPLE
- BACKGROUND SOIL SAMPLE
- - - EXCAVATION EXTENT

IMAGE COURTESY OF ESRI



**FIGURE 2**  
**REMEDIAL EXCAVATION MAP**  
**WARNECKE #1**  
**LOGAN COUNTY, COLORADO**  
**MAGPIE OPERATING INC**



## TABLES



**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**WARNECKE #1 OIL SKIM PIT**  
**LOGAN COUNTY, COLORADO**  
**MAGPIE OPERATING INC.**

PARAMETER	COGCC Table 910-1 Concentration Levels	UNITS	Sample ID: NSWS @4'	Sample ID: SSWS @4'	Sample ID: WSWS @4'	Sample ID: W01 @4'	Sample ID: ESWS @4'	Sample ID: BS @8'
Sample Date			2/27/2014	2/27/2014	2/27/2014	4/17/2014	2/27/2014	2/27/2014
Sample Area			North Wall	South Wall	West Wall	West Wall	East Wall	Bottom
Sample Type			Confirmation	Confirmation	Confirmation	Confirmation	Confirmation	Confirmation
Benzene	0.17	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Toluene	85	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Ethylbenzene	100	mg/kg	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Total Xylenes	175	mg/kg	<0.002	<0.002	0.01	<0.002	<0.002	<0.002
TPH-DRO	--	mg/kg	<50	<50	<b>2040</b>	<50	<50	<50
TVPH-GRO	--	mg/kg	<50	<50	<50	<50	<50	<50
TPH Total	500	mg/kg	<50	<50	<b>2040</b>	<50	<50	<50
EC	4.0	mmhos/cm	0.789	0.338	0.402	0.687	0.490	0.619
pH	6 - 9	SU	<b>9.4</b>	<b>9.25</b>	<b>9.03</b>	<b>9.53</b>	<b>9.57</b>	<b>9.06</b>
SAR	12	unitless	8.28	1.92	2.53	4.04	3.26	4.11

**NOTES:**

- mg/kg - milligrams per kilogram
- TPH-DRO - total extractable petroleum hydrocarbon-diesel range organics
- TVPH-GRO - total volume petroleum hydrocarbon-gasolene range organics
- mmhos/cm - millimhos per centimeter in saturated paste extract
- EC - electrical conductivity
- SAR - sodium adsorption ratio
- SU - standard units
- < - less than the stated reporting limit
- BOLD** - indicates result exceeds the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1



**ATTACHMENT 1**  
**LABORATORY ANALYTICAL REPORTS**



April 23, 2014

LT Environmental, Inc.

Eric Lang

4600 West 60th Avenue

Arvada CO 80003

Project Name - Warnecke #1

Project Number - 052514001

Attached are your analytical results for Warnecke #1 received by Origins Laboratory, Inc. April 17, 2014. This project is associated with Origins project number X404167-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: Warnecke #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W01 @ 4'	X404167-01	Soil	April 17, 2014 13:00	04/17/2014 15:25

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Noelle Doyle Mathis, President



LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

Origins Laboratory

F-012207-01-R1  
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X404167

Client: LTE

Client Project ID: Warnecke #1

Checklist Completed by: Jeff Smith

Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4/17/14 15:40

Airbill #: NA

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_

Cooler Number/Temperature: 125.3 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T002

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		X		Sampled Some Dry
Is there ice present (document if blue ice is used)		X		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	X			
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			PH
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	Soil
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			X	Soil
Additional Comments (if any):	Added Project Name to COC from Information on Sample Container			
Container:	<u>4/17/14 Jeff Smith</u>			

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Eric Lang 4/18/14 1340  
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

W01 @ 4'  
 4/17/2014 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X404167-01 (Soil)

**BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	4D17010	04/17/2014	04/17/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130			"	"	"	
Surrogate: Toluene-d8	98.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	70-130			"	"	"	

**Conductance/Specific Conductance by EPA 120.1**

Specific Conductance (EC)	0.687		mmhos/cm	1	4D17009	04/17/2014	04/18/2014	
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**GRO (TVPH)/DRO (TEPH) by EPA 8015C**

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4D17007	04/17/2014	04/17/2014	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	77.9 %	59-131			"	"	"	
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**pH in Soil by EPA 9045D**

pH	9.53		pH Units	1	4D17008	04/17/2014	04/18/2014	
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**SAR Metals by SW846 3050B/6010C**

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

W01 @ 4'  
 4/17/2014 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC  
 X404167-01 (Soil)

**SAR Metals by SW846 3050B/6010C**

Calcium	47700	29.8	mg/kg dry	1	1381978	04/22/2014	04/23/2014	
Magnesium	5850	35.7	"	"	"	"	"	
Sodium	3510	29.8	"	"	"	"	"	

**Sodium Adsorption Ratio**

Sodium Adsorption Ratio	4.04		none	1	1382500		04/23/2014	
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4D17010 - EPA 5030 (soil)

Matrix Spike (4D17010-MS1)	Source: X404172-01			Prepared: 04/17/2014 Analyzed: 04/17/2014						
Benzene	0.1	0.002	mg/kg	0.100	ND	99.7	71.8-126			
Toluene	0.1	0.002	"	0.100	ND	99.4	65.1-130			
Ethylbenzene	0.1	0.002	"	0.100	ND	99.5	62.2-130			
m,p-Xylene	0.2	0.004	"	0.200	ND	105	46.5-137			
o-Xylene	0.1	0.002	"	0.100	ND	96.8	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		93.8	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.3	70-130			

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4D17010 - EPA 5030 (soil)

Matrix Spike Dup (4D17010-MSD1)	Source: X404172-01			Prepared: 04/17/2014 Analyzed: 04/17/2014						
Benzene	0.1	0.002	mg/kg	0.100	ND	103	71.8-126	3.49	11.3	
Toluene	0.1	0.002	"	0.100	ND	104	65.1-130	4.31	15.4	
Ethylbenzene	0.1	0.002	"	0.100	ND	105	62.2-130	5.36	19.6	
m,p-Xylene	0.2	0.004	"	0.200	ND	111	46.5-137	6.00	19.2	
o-Xylene	0.1	0.002	"	0.100	ND	101	54.2-134	4.70	17.9	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>59</i>		<i>ug/kg</i>	<i>62.5</i>		<i>94.3</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.6</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>61</i>		<i>"</i>	<i>62.5</i>		<i>98.0</i>	<i>70-130</i>			

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4D17007 - EPA 3580**

**Blank (4D17007-BLK1)**

Prepared: 04/17/2014 Analyzed: 04/17/2014

Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
<i>Surrogate: o-Terphenyl</i>	<i>54</i>		<i>g</i>	<i>50.0</i>		<i>108</i>	<i>59-131</i>			

**LCS (4D17007-BS1)**

Prepared: 04/17/2014 Analyzed: 04/17/2014

Gasoline (C6-C10)	1090	50.0	mg/kg	1000		109	59-133			
Diesel (C10-C28)	941	50.0	"	1000		94.1	64-121			
<i>Surrogate: o-Terphenyl</i>	<i>48</i>		<i>g</i>	<i>50.0</i>		<i>96.9</i>	<i>59-131</i>			

**Matrix Spike (4D17007-MS1)**

Source: X404164-01

Prepared: 04/17/2014 Analyzed: 04/17/2014

Gasoline (C6-C10)	1160	50.0	mg/kg	1000	ND	116	57-139			
Diesel (C10-C28)	991	50.0	"	1000	23.1	96.8	53-125			
<i>Surrogate: o-Terphenyl</i>	<i>50</i>		<i>g</i>	<i>50.0</i>		<i>101</i>	<i>59-131</i>			

**Matrix Spike Dup (4D17007-MSD1)**

Source: X404164-01

Prepared: 04/17/2014 Analyzed: 04/17/2014

Gasoline (C6-C10)	1190	50.0	mg/kg	1000	ND	119	57-139	2.56	20	
Diesel (C10-C28)	1020	50.0	"	1000	23.1	100	53-125	3.35	20	
<i>Surrogate: o-Terphenyl</i>	<i>51</i>		<i>g</i>	<i>50.0</i>		<i>101</i>	<i>59-131</i>			

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4D17008 - NO PREP</b>										
<b>Duplicate (4D17008-DUP1)</b>		<b>Source: X404167-01</b>			<b>Prepared: 04/17/2014 Analyzed: 04/18/2014</b>					
pH	9.52		pH Units		9.53			0.0735	25	
<b>Batch 4D17009 - NO PREP</b>										
<b>Blank (4D17009-BLK1)</b>		<b>Prepared: 04/17/2014 Analyzed: 04/18/2014</b>								
Specific Conductance (EC)	0.00210		mmhos/cm							
<b>Duplicate (4D17009-DUP1)</b>		<b>Source: X404167-01</b>			<b>Prepared: 04/17/2014 Analyzed: 04/18/2014</b>					
Specific Conductance (EC)	0.730		mmhos/cm		0.687			6.07	10	

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: Warnecke #1

**SAR Metals by SW846 3050B/6010C - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1381978 - SW846 3050B

**BLANK (1203072991-BLK)**

Prepared: 04/22/2014 Analyzed: 04/23/2014

Calcium	ND	24.3	mg/kg				-			U
Magnesium	ND	29.1	"				-			U
Sodium	ND	24.3	"				-			U

**LCS (1203072992-BKS)**

Prepared: 04/22/2014 Analyzed: 04/23/2014

Magnesium	507	29.8	mg/kg	497		102	80-120			
Calcium	484	24.9	"	497		97.4	80-120			
Sodium	504	24.9	"	497		101	80-120			

**DUP (1203072993 D)**

Source: X404167-01

Prepared: 04/22/2014 Analyzed: 04/23/2014

Magnesium	6000	35.4	mg/kg dry		5850		0-20	2.46	20	
Sodium	3560	29.5	"		3510		0-20	1.25	20	
Calcium	46300	29.5	"		47700		0-20	2.88	20	

**MS (1203072994 S)**

Source: X404167-01

Prepared: 04/22/2014 Analyzed: 04/23/2014

Magnesium	7510	34.6	mg/kg dry	576	5850	288	75-125			
Sodium	4070	28.8	"	576	3510	96.5	75-125			
Calcium	45300	28.8	"	576	47700	0	75-125			

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: Warnecke #1

---

### Notes and Definitions

- U Result not detected above the detection limit
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

---

Noelle Doyle Mathis, President

March 07, 2014

LT Environmental, Inc.

Eric Lang

4600 West 60th Avenue

Arvada CO 80003

Project Name - 052514001

Project Number - 052514001

Attached are your analytical results for 052514001 received by Origins Laboratory, Inc. February 27, 2014. This project is associated with Origins project number X402275-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: 052514001

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSWS @ 4'	X402275-01	Soil	February 27, 2014 13:30	02/27/2014 17:00
SSWS @ 4'	X402275-02	Soil	February 27, 2014 13:35	02/27/2014 17:00
WSWS @ 4'	X402275-03	Soil	February 27, 2014 13:40	02/27/2014 17:00
ESWS @ 4'	X402275-04	Soil	February 27, 2014 13:45	02/27/2014 17:00
BS @ 8'	X402275-05	Soil	February 27, 2014 13:50	02/27/2014 17:00
SP-1	X402275-07	Soil	February 27, 2014 14:10	02/27/2014 17:00

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Noelle Doyle Mathis, President



LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

Origins Laboratory

F-012207-01-R1  
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X402275

Client: LTE

Client Project ID: 052514001

Checklist Completed by: Joel Smith

Shipped Via: Pick Up  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 2/27/14 17:18

Airbill #: NA

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_

Cooler Number/Temperature: 1 / 5.4 °C \_\_\_\_\_ °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)

Thermometer ID: TC02

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	X			
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			PH
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	Seal
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with Na <sub>2</sub> SO <sub>2</sub> +NaOH, ZnAc+NaOH)			X	Seal
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments above and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 3/5/14 15:19

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

NSWS @ 4'  
 2/27/2014 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X402275-01 (Soil)

**BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	4C04008	03/04/2014	03/06/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130			"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"	

**Conductance/Specific Conductance by EPA 120.1**

Specific Conductance (EC)	0.789		mmhos/cm	1	4C04011	03/04/2014	03/05/2014	
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**GRO (TVPH)/DRO (TEPH) by EPA 8015C**

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4C04009	03/04/2014	03/06/2014	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	83.0 %	59-131			"	"	"	
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**pH in Soil by EPA 9045D**

pH	9.40		pH Units	1	4C04010	03/04/2014	03/05/2014	
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**SAR Metals by SW846 3050B/6010C**

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

NSWS @ 4'  
 2/27/2014 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC  
 X402275-01 (Soil)

**SAR Metals by SW846 3050B/6010C**

Calcium	12700	29.7	mg/kg dry	1	1369735	03/04/2014	03/04/2014	
Magnesium	4240	35.7	"	"	"	"	"	
Sodium	4210	29.7	"	"	"	"	"	

**Sodium Adsorption Ratio**

Sodium Adsorption Ratio	8.28		none	1	1370974		03/06/2014	
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

SSWS @ 4'  
 2/27/2014 1:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X402275-02 (Soil)

**BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	4C04008	03/04/2014	03/06/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

**Conductance/Specific Conductance by EPA 120.1**

Specific Conductance (EC)	0.338		mmhos/cm	1	4C04011	03/04/2014	03/05/2014	
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**GRO (TVPH)/DRO (TEPH) by EPA 8015C**

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4C04009	03/04/2014	03/06/2014	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	84.7 %	59-131			"	"	"	
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**pH in Soil by EPA 9045D**

pH	9.25		pH Units	1	4C04010	03/04/2014	03/05/2014	
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**SAR Metals by SW846 3050B/6010C**

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: 052514001

SSWS @ 4'  
2/27/2014 1:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC  
X402275-02 (Soil)

**SAR Metals by SW846 3050B/6010C**

Calcium	15600	26.6	mg/kg dry	1	1369735	03/04/2014	03/04/2014	
Magnesium	3060	32.0	"	"	"	"	"	
Sodium	1000	26.6	"	"	"	"	"	

**Sodium Adsorption Ratio**

Sodium Adsorption Ratio	1.92		none	1	1370974		03/06/2014	
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

WSWS @ 4'  
 2/27/2014 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X402275-03 (Soil)

**BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	4C04008	03/04/2014	03/06/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	0.01	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	108 %	70-130			"	"	"	

**Conductance/Specific Conductance by EPA 120.1**

Specific Conductance (EC)	0.402		mmhos/cm	1	4C04011	03/04/2014	03/05/2014	
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**GRO (TVPH)/DRO (TEPH) by EPA 8015C**

Gasoline (C6-C10)	ND	100	mg/kg	2	4C04009	03/04/2014	03/06/2014	
Diesel (C10-C28)	2040	100	"	"	"	"	"	

Surrogate: o-Terphenyl	88.0 %	59-131			"	"	"	
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**pH in Soil by EPA 9045D**

pH	9.03		pH Units	1	4C04010	03/04/2014	03/05/2014	
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**SAR Metals by SW846 3050B/6010C**

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: 052514001

WSWS @ 4'  
2/27/2014 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
X402275-03 (Soil)

**SAR Metals by SW846 3050B/6010C**

Calcium	18100	28.0	mg/kg dry	1	1369735	03/04/2014	03/04/2014	
Magnesium	3800	33.6	"	"	"	"	"	
Sodium	1430	28.0	"	"	"	"	"	

**Sodium Adsorption Ratio**

Sodium Adsorption Ratio	2.53		none	1	1370974		03/06/2014	
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

ESWS @ 4'  
 2/27/2014 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X402275-04 (Soil)

**BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	4C04008	03/04/2014	03/06/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

**Conductance/Specific Conductance by EPA 120.1**

Specific Conductance (EC)	0.490		mmhos/cm	1	4C04011	03/04/2014	03/05/2014	
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**GRO (TVPH)/DRO (TEPH) by EPA 8015C**

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4C04009	03/04/2014	03/06/2014	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	84.0 %	59-131			"	"	"	
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**pH in Soil by EPA 9045D**

pH	9.57		pH Units	1	4C04010	03/04/2014	03/05/2014	
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**SAR Metals by SW846 3050B/6010C**

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: 052514001

ESWS @ 4'  
2/27/2014 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC  
X402275-04 (Soil)

**SAR Metals by SW846 3050B/6010C**

Calcium	19000	27.8	mg/kg dry	1	1369735	03/04/2014	03/04/2014
Magnesium	3870	33.4	"	"	"	"	"
Sodium	1890	27.8	"	"	"	"	"

**Sodium Adsorption Ratio**

Sodium Adsorption Ratio	3.26		none	1	1370974		03/06/2014
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

BS @ 8'  
 2/27/2014 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X402275-05 (Soil)

### BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	4C04008	03/04/2014	03/06/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

### Conductance/Specific Conductance by EPA 120.1

Specific Conductance (EC)	0.619		mmhos/cm	1	4C04011	03/04/2014	03/05/2014	
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### GRO (TVPH)/DRO (TEPH) by EPA 8015C

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4C04009	03/04/2014	03/06/2014	
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	86.7 %	59-131			"	"	"	
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### pH in Soil by EPA 9045D

pH	9.06		pH Units	1	4C04010	03/04/2014	03/05/2014	
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### SAR Metals by SW846 3050B/6010C

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

BS @ 8'

2/27/2014 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC  
 X402275-05 (Soil)

SAR Metals by SW846 3050B/6010C

Calcium	20100	29.6	mg/kg dry	1	1369735	03/04/2014	03/04/2014	
Magnesium	4950	35.6	"	"	"	"	"	
Sodium	2510	29.6	"	"	"	"	"	

Sodium Adsorption Ratio

Sodium Adsorption Ratio	4.11		none	1	1370974		03/06/2014	
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Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

SP-1  
 2/27/2014 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X402275-07 (Soil)

### BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	4C04008	03/04/2014	03/06/2014	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	0.007	0.002	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"	

### Conductance/Specific Conductance by EPA 120.1

Specific Conductance (EC)	0.844		mmhos/cm	1	4C04011	03/04/2014	03/05/2014	
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### GRO (TVPH)/DRO (TEPH)by EPA 8015C

Gasoline (C6-C10)	56.7	50.0	mg/kg	1	4C04009	03/04/2014	03/06/2014	
Diesel (C10-C28)	739	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	102 %	59-131			"	"	"	
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### pH in Soil by EPA 9045D

pH	8.89		pH Units	1	4C04010	03/04/2014	03/05/2014	
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### SAR Metals by SW846 3050B/6010C

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: 052514001

SP-1  
2/27/2014 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**GEL Laboratories, LLC**  
X402275-07 (Soil)

**SAR Metals by SW846 3050B/6010C**

Calcium	29800	30.4	mg/kg dry	1	1370091	03/05/2014	03/05/2014
Magnesium	5170	36.5	"	"	"	"	"
Sodium	3290	30.4	"	"	"	"	"

**Sodium Adsorption Ratio**

Sodium Adsorption Ratio	4.63		none	1	1370974		03/06/2014
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Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4C04008 - EPA 5030 (soil)

Blank (4C04008-BLK1)

Prepared: 03/04/2014 Analyzed: 03/05/2014

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>66</i>		<i>ug/kg</i>	<i>62.5</i>		<i>105</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>66</i>		<i>"</i>	<i>62.5</i>		<i>105</i>	<i>70-130</i>			

Origins Laboratory, Inc.



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Noelle Doyle Mathis, President

LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4C04008 - EPA 5030 (soil)

LCS (4C04008-BS1)

Prepared: 03/04/2014 Analyzed: 03/05/2014

Benzene	0.1	0.002	mg/kg	0.100		113	77.1-124			
Toluene	0.1	0.002	"	0.100		112	74.5-128			
Ethylbenzene	0.1	0.002	"	0.100		110	66.4-127			
m,p-Xylene	0.2	0.004	"	0.200		109	76.6-124			
o-Xylene	0.1	0.002	"	0.100		108	76.6-124			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>65</i>		<i>ug/kg</i>	<i>62.5</i>		<i>105</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>65</i>		<i>"</i>	<i>62.5</i>		<i>103</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>65</i>		<i>"</i>	<i>62.5</i>		<i>104</i>	<i>70-130</i>			

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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4C04008 - EPA 5030 (soil)

Matrix Spike (4C04008-MS1)	Source: X402283-02			Prepared: 03/04/2014 Analyzed: 03/05/2014						
Benzene	0.1	0.002	mg/kg	0.100	ND	106	71.8-126			
Toluene	0.1	0.002	"	0.100	ND	104	65.1-130			
Ethylbenzene	0.1	0.002	"	0.100	ND	99.7	62.2-130			
m,p-Xylene	0.2	0.004	"	0.200	ND	98.2	46.5-137			
o-Xylene	0.1	0.002	"	0.100	ND	99.4	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	66		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4C04008 - EPA 5030 (soil)

Matrix Spike Dup (4C04008-MSD1)	Source: X402283-02			Prepared: 03/04/2014 Analyzed: 03/05/2014						
Benzene	0.1	0.002	mg/kg	0.100	ND	105	71.8-126	0.285	11.3	
Toluene	0.1	0.002	"	0.100	ND	106	65.1-130	2.28	15.4	
Ethylbenzene	0.1	0.002	"	0.100	ND	103	62.2-130	2.94	19.6	
m,p-Xylene	0.2	0.004	"	0.200	ND	102	46.5-137	4.23	19.2	
o-Xylene	0.1	0.002	"	0.100	ND	104	54.2-134	4.27	17.9	
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	67		"	62.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4C04009 - EPA 3580**

**Blank (4C04009-BLK1)**

Prepared: 03/04/2014 Analyzed: 03/06/2014

Gasoline (C6-C10)	ND	50.0	mg/kg							
Diesel (C10-C28)	ND	50.0	"							
<i>Surrogate: o-Terphenyl</i>	50		g	50.0		99.5	59-131			

**LCS (4C04009-BS1)**

Prepared: 03/04/2014 Analyzed: 03/06/2014

Gasoline (C6-C10)	940	50.0	mg/kg	1000		94.0	59-133			
Diesel (C10-C28)	928	50.0	"	1000		92.8	64-121			
<i>Surrogate: o-Terphenyl</i>	41		g	50.0		82.6	59-131			

**Matrix Spike (4C04009-MS1)**

Source: X402283-02

Prepared: 03/04/2014 Analyzed: 03/06/2014

Gasoline (C6-C10)	1120	50.0	mg/kg	1000	33.7	109	57-139			
Diesel (C10-C28)	1010	50.0	"	1000	20.7	98.7	53-125			
<i>Surrogate: o-Terphenyl</i>	44		g	50.0		87.5	59-131			

**Matrix Spike Dup (4C04009-MSD1)**

Source: X402283-02

Prepared: 03/04/2014 Analyzed: 03/06/2014

Gasoline (C6-C10)	1390	50.0	mg/kg	1000	33.7	136	57-139	21.5	20	QM-07
Diesel (C10-C28)	1250	50.0	"	1000	20.7	123	53-125	21.7	20	QM-07
<i>Surrogate: o-Terphenyl</i>	54		g	50.0		108	59-131			

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4C04010 - NO PREP</b>										
<b>Duplicate (4C04010-DUP1)</b>		<b>Source: X402275-01</b>			<b>Prepared: 03/04/2014 Analyzed: 03/05/2014</b>					
pH	9.44		pH Units		9.40			0.414	0.1	
<b>Batch 4C04011 - NO PREP</b>										
<b>Blank (4C04011-BLK1)</b>		<b>Prepared: 03/04/2014 Analyzed: 03/05/2014</b>								
Specific Conductance (EC)	0.00200		mmhos/cm							
<b>Duplicate (4C04011-DUP1)</b>		<b>Source: X402275-02</b>			<b>Prepared: 03/04/2014 Analyzed: 03/05/2014</b>					
Specific Conductance (EC)	0.327		mmhos/cm		0.338			3.31	10	

Origins Laboratory, Inc.



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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**SAR Metals by SW846 3050B/6010C - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1369735 - SW846 3050B</b>										
<b>BLANK (1203043420-BLK)</b>					Prepared: 03/04/2014 Analyzed: 03/04/2014					
Calcium	ND	25.0	mg/kg		0		-			U
Magnesium	ND	30.0	"		0		-			U
Sodium	ND	25.0	"		0		-			U
<b>LCS (1203043421-BKS)</b>					Prepared: 03/04/2014 Analyzed: 03/04/2014					
Calcium	507	25.0	mg/kg	499	0	102	80-120			
Magnesium	518	29.9	"	499	0	104	80-120			
Sodium	497	25.0	"	499	0	99.6	80-120			
<b>DUP (1203043422 D)</b>					Source: 343785007		Prepared: 03/04/2014 Analyzed: 03/04/2014			
Calcium	8590	30.7	mg/kg dry		8840		0-20	2.79	20	
Magnesium	2900	36.8	"		3030		0-20	4.35	20	
Sodium	1160	30.7	"		1190		0-20	2.36	20	
<b>MS (1203043423 S)</b>					Source: 343785007		Prepared: 03/04/2014 Analyzed: 03/04/2014			
Calcium	9170	28.0	mg/kg dry	561	8840	60.1	75-125			
Magnesium	4120	33.6	"	561	3030	195	75-125			
Sodium	1610	28.0	"	561	1190	74.7	75-125			
<b>PS (1203045222 S)</b>					Source: 343785007		Prepared: 03/04/2014 Analyzed: 03/04/2014			
Sodium	18.7	0.309	mg/kg dry	5000	1190	91.1	80-120			
<b>Batch 1370091 - SW846 3050B</b>										
<b>BLANK (1203044320-BLK)</b>					Prepared: 03/05/2014 Analyzed: 03/05/2014					
Calcium	ND	24.2	mg/kg		0		-			U
Magnesium	ND	29.0	"		0		-			U
Sodium	ND	24.2	"		0		-			U

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LT Environmental, Inc.  
 4600 West 60th Avenue  
 Arvada CO 80003

Eric Lang  
 Project Number: 052514001  
 Project: 052514001

**SAR Metals by SW846 3050B/6010C - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1370091 - SW846 3050B

**LCS (1203044321-BKS)**

Prepared: 03/05/2014 Analyzed: 03/05/2014

Magnesium	536	29.1	mg/kg	485	0	110	80-120			
Sodium	507	24.3	"	485	0	105	80-120			
Calcium	512	24.3	"	485	0	106	80-120			

**DUP (1203044322 D)**

Source: X402275-07

Prepared: 03/05/2014 Analyzed: 03/05/2014

Magnesium	5080	36.6	mg/kg dry		5170		0-20	1.88	20	
Sodium	3100	30.5	"		3290		0-20	5.93	20	
Calcium	28800	30.5	"		29800		0-20	3.49	20	

**MS (1203044323 S)**

Source: X402275-07

Prepared: 03/05/2014 Analyzed: 03/05/2014

Calcium	32100	29.8	mg/kg dry	596	29800	392	75-125			
Magnesium	7130	35.8	"	596	5170	329	75-125			
Sodium	3700	29.8	"	596	3290	69.2	75-125			

Origins Laboratory, Inc.



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LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada CO 80003

Eric Lang  
Project Number: 052514001  
Project: 052514001

---

### Notes and Definitions

U Result not detected above the detection limit

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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---

Noelle Doyle Mathis, President

**ATTACHMENT 2**  
**WASTE MANIFESTS**





North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

Original **9169723**  
 Ticket# 1340521

Customer Name MAGPIE OPERATING INC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# 75 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049784  
 Destination Grid  
 PG  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIE OPERATING MAGPIE OPERATING INC

	Time	Scale	Operator	Inbound	Gross	
In	04/23/2014 10:21:48	Scale1	SS			71920 lb
Out	04/23/2014 11:11:36	Scale2	SS			28380 lb
					Net	43540 lb
					Tons	21.77

Comments



Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	21.77	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

Total Tax  
 Total Ticket

river's Signature

403WM-N



North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

Original **9162010**  
 Ticket# 1340713

Customer Name MAGPIEOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# 75 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049790 Grid  
 Destination  
 PO  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEOPERATING MAGPIE OPERATINGINC

In	Time	Scale	Operator	Inbound	Gross	81220 lb
04/23/2014	15:39:05	Scale1	RL		Tare	28380 lb
04/23/2014	15:39:05		RL		Net	52840 lb
					Tons	26.42

Comments



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	26.42	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

Taxes & Fees  
 Total Ticket

Driver's Signature  
 403WM-N



North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

9161897  
 Original  
 Ticket# 1340520

Customer Name MAGPIEOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# 7 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049785 Grid  
 Destination  
 PO  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEOPERATING MAGPIE OPERATINGINC

Time	Scale	Operator	Inbound	Gross	72240 lb
In 04/23/2014 10:19:28	Scale1	ss		Tare	34060 lb
Out 04/23/2014 10:19:28		ss		Net	38180 lb
				Tons	19.09

Comments



Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	19.09	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

Taxes & Fees  
 Total Ticket

Driver's Signature  
 403WM-N





North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

Original **9161981**  
 Ticket# 1340660

Customer Name MAGPIEOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# 7 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049788 Grid  
 Destination  
 PO  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEOPERATING MAGPIE OPERATINGINC

Time	Scale	Operator	Inbound	Gross	73280 lb
In 04/23/2014 14:23:28	Scale1	55		Tare	34060 lb
Out 04/23/2014 14:23:28		55		Net	39220 lb
				Tons	19.61

Comments



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	19.61	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

Taxes & Fees  
 Total Ticket

Driver's Signature  
 403WM-N





North Weld Landfill  
 40000 WCR 25  
 AUL-T, CO, 80610  
 Ph: (970) 686-2800

Original **9169715**  
 Ticket# 1340535

Customer Name MAGPIE OPERATING INC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# 24 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# *AM* Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049786 Grid  
 Destination  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIE OPERATING MAGPIE OPERATING INC

Time	Scale	Operator	Inbound	Gross	45000 lb
In 04/23/2014 10:35:33	Scale1	SS		Tare	22420 lb
Out 04/23/2014 10:58:38	Scale2	SS		Net	23580 lb
				Tons	11.79



Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	11.79	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

*JOHN S SQUOZ?*

Total Tax  
 Total Ticket

Driver's Signature

403WM-N



North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

Original **9162084**  
 Ticket# 1340827

Customer Name MAGPIEOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/24/2014 Vehicle# 75 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049797 Grid  
 Destination  
 PO  
 Profile 112945CO (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEOPERATING MAGPIE OPERATINGINC

	Time	Scale	Operator	Inbound	Gross	
In	04/24/2014 09:21:10	Scale1	SS			83200 lb
Out	04/24/2014 09:21:10		SS			28380 lb
						Net 54820 lb
						Tons 27.41

Comments



**WASTE MANAGEMENT**

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	27.41	Tons				
2 - FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

Taxes & Fees  
 Total Ticket

Driver's Signature

403WM-N





North Weid Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

Original **9162085**  
 Ticket# 1340828

Customer Name MAGPIE OPERATING INC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/24/2014 Vehicle# 7 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049792 Grid  
 Destination  
 PO  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIE OPERATING MAGPIE OPERATING INC

Time	Scale	Operator	Inbound	Gross	74080 lb
In 04/24/2014 09:23:46	Scale1	SS		Tare	34060 lb
Out 04/24/2014 09:23:46		SS		Net	40020 lb
				Tons	20.01

Comments



Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	20.01	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

Taxes & Fees  
 Total Ticket

Driver's Signature  
 403WM-N





North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80510  
 Ph: (970) 686-2800

Original **9162082**  
 Ticket# 1340825

Customer Name MAGPIEDOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/24/2014 Vehicle# K10 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 059791 Grid  
 Destination  
 PG  
 Profile 11294500 (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEDOPERATING MAGPIE OPERATINGINC

Time	Scale	Operator	Inbound	Gross	43680 lb
In 04/24/2014 09:17:10	Scale1	SS		Tare	24360 lb
Out 04/24/2014 09:17:10		SS		Net	19320 lb
				Tons	9.66

Comments



**WASTE MANAGEMENT**

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	9.66	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

*Jason* *Se*

Taxes & Fees  
 Total Ticket

iver's Signature  
 403WM-N



North Weld Landfill  
 40000 WCR 25  
 AULT, CO, 80610  
 Ph: (970) 686-2800

9161982

Original  
 Ticket# 1340661

Customer Name MAGPIEOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# K10 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049789 Grid  
 Destination  
 PG  
 Profile 112945CD (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEOPERATING MAGPIE OPERATINGINC

In	Time	Scale	Operator	Inbound	Gross	46520 lb
04/23/2014	14:26:45	Scale1	SS		Tare	24360 lb
04/23/2014	14:26:45		SS		Net	22160 lb
					Tons	11.08

Comments



WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	11.08	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

*Jason*

Taxes & Fees  
 Total Ticket

Driver's Signature  
 403WM-N



North Weld Landfill  
 40000 WCR 25  
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Original **9161895**  
 Ticket# 1340518

Customer Name MAGPIEOPERATINGINC MAGPIE OPE Carrier DR TRUCKING  
 Ticket Date 04/23/2014 Vehicle# K10 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check  
 Route Billing # 0010377  
 State Waste Code Gen EPA ID  
 Manifest 049787 Grid  
 Destination  
 PG  
 Profile 112945CO (CRUDE OIL IN SOIL)  
 Generator 125-MAGPIEOPERATING MAGPIE OPERATINGINC

	Time	Scale	Operator	Inbound	Gross	41880 lb
In	04/23/2014 10:16:08	Scale1	ss		Tare	24360 lb
Out	04/23/2014 10:16:08		ss		Net	17520 lb
					Tons	8.76

Comments



Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Pet-Tons	100	8.76	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				
4 RCR-P-Regulatory C	100		%				

*Jose Espinal*

Taxes & Fees  
 Total Ticket

Driver's Signature  
 403WM-N