



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

April 17, 2019

Greg Miller
ICON Environmental Services
2049 Commercial Drive
Port Allen, LA 70767
TEL: (225) 344-8490
FAX (225) 344-6654

RE: Desoto 9077-243-0100

Order No.: 19040628

Dear Greg Miller:

Element Materials Technology Lafayette received 1 sample(s) on 4/11/2019 for the analyses presented in the following report.

In accordance with your instructions Element Lafayette conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of TNI. All relevant sampling information is on the attached Chain-of-Custody form.

All soil data, except for 29-B, are on a wet-weight basis unless otherwise indicated in the units field as -dry.

LELAP Certification No.: 01997. TCEQ Certification No.: T104704261. LDHH Certification No.: LA180028. ISDH Certification No.: C-LA-01. A scope of accredited parameters is available upon request. A "#" by the test method or analyte indicates this parameter is outside the scope of accreditation.

Estimated uncertainty is available upon request. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding these test results, please feel free to call.

A handwritten signature in blue ink that reads 'Cristina Thibeaux'.

Cristina Thibeaux
Customer Service Supervisor
2417 W. Pinhook Road
Lafayette, LA 70508-3344



Element Materials Technology Lafayette
2417 W. Pinhook Road
Lafayette, LA 70508-3344
TEL: (337) 235-0483 FAX: (337) 233-6540
Website: www.element.com

Case Narrative

WO#: 19040628
Date: 4/17/2019

CLIENT: ICON Environmental Services
Project: Desoto 9077-243-0100

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

The results of the laboratory internal quality control data are provided in the QC Summary Report section of the report for your review. Laboratory-related QC exceptions that may impact the validity of data are discussed in the case narrative. Sample-related QC exceptions are flagged either in the results page(s) or in the QC report page(s). End users should consider QC exceptions when evaluating sample data against data quality objectives.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The GPA-2261-13 analysis was subcontracted to Element Materials Technology Scott. Their report is attached in its entirety.



Element Materials Technology Lafayette
 2417 W. Pinhook Road
 Lafayette, LA 70508-3344
 TEL: (337) 235-0483 FAX: (337) 233-6540
 Website: www.element.com

Sample Log-In Check List

Client Name: **ICON_ENV**

Work Order Number: **19040628**

RcptNo: **1**

Logged by:	Danielle Hollier	4/11/2019 3:25:00 PM	<i>Danielle Hollier</i>
Completed By:	Danielle Hollier	4/11/2019 4:03:41 PM	<i>Danielle Hollier</i>
Reviewed By:	Caitlin Duplantis	4/17/2019 8:35:51 AM	<i>Caitlin Duplantis</i>

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Element

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 Custody seals intact on shipping container/cooler? Yes No Not Present
 No. Seal Date: Signed By:
 5. Was an attempt made to cool the samples? Yes No NA
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
Not required
 7. Sample(s) in proper container(s)? Yes No
 8. Sufficient sample volume for indicated test(s)? Yes No
 9. Are samples (except VOA and ONG) properly preserved? Yes No
 10. Was preservative added to bottles? Yes No NA
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials
 12. Were any sample containers received broken? Yes No
 13. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 14. Are matrices correctly identified on Chain of Custody? Yes No
 15. Is it clear what analyses were requested? Yes No
 16. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
-----------	---------	-----------	-------------	---------	-----------	-----------



Gas Analysis Report No: 242937-1 -6

Date: 4/15/2019

For: ELEMENT LABS
 Attn: ANNIE REEDY
 2417 WEST PINHOOK ROAD
 LAFAYETTE, LA 70508

Sample Identification:
Company: ELEMENT LABS
Field: LAFAYETTE
Lease: DAVIS-DITCH
STA # : 19040628-001A

Sample Data: **Date:** 4/8/2019 18:10
PSIG: NP

By: D. H.
Temp: N/P DEG. F.

Remarks:

CYL # BAG 1

Sample Type: SPOT

Hydrocarbon Analysis - Method GPA 2261-13

Lab Analyst: BB

Component Name	Mol Percent	GPM @ 15.025 PSIA
Carbon Dioxide (CO2)	0.050	
Nitrogen (N2)	99.945	
Methane (C1)	0.001	
Ethane (C2)	0.003	0.001
Propane (C3)	0.001	0.000
Iso-Butane (IC4)	0.000	0.000
N-Butane (NC4)	0.000	0.000
Iso-Pentane (IC5)	0.000	0.000
N-Pentane (NC5)	0.000	0.000
Hexanes Plus (C6+)	0.000	0.000
Total	100.000	

Mol Weight: 28.02
BTU/LB: 1.25

Ethane + GPM: 0.001
Propane + GPM: 0.000
Iso-Pentane + GPM: 0.000

Compressibility Factor: 0.9997
Specific Gravity @ 60 Deg. F. (Air = 1) : 0.967

BTU/Cuft. (Real) 60 Deg. F. - PSIA:	14.650	14.696	14.730	15.025
Dry:	0.1	0.1	0.1	0.1
Sat:	0.1	0.1	0.1	0.1

Tiffany Meaux

Tiffany Meaux, Customer Service Representative

Testing performed by Element Materials Technology Scott :: 2129 W. Willow St., Scott, LA 70583 :: 337-232-3568
 This document shall not be reproduced, except in full, without the approval of the testing laboratory. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identical or similar products.



element™

Chain of Custody

Laboratory Number: **19040628**

Company Name: Contact Name: Address: City, State Zip: Phone Number: Fax Number: E-mail Address:	ICON Environmental JASON SILLS 2049 Commercial Dr Port Allen, LA 70767 (225) 344-8490 jsills@iconent.com	Billing Information: 	PO Number: Quote Number: Required QC Level: STANDARD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Project Name/Number: DESOTO 9077-243-0100 Samplers Signature: <i>[Signature]</i> Shipping Method: <input checked="" type="checkbox"/> UPS / FedEx / NOW <input type="checkbox"/> DHL / Element / Hand / Mail	Page of Matrix Code DW = Drinking Water WW = Waste Water GW = Ground Water AQ = Aqueous OT = Other SL = Sludge SOL = Solid O = Oil SO = Soil F = Food SW = Swab NG = Natural Gas NGL = Natural Gas Liquid PW = Produced Water CF = Completion Fluid
---	---	---	---	--	---

Which Regulations Apply:	Turn Time	Collection Information	Container	Pres.	Requested Tests	Comments
<input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC <input type="checkbox"/> Drinking Water <input type="checkbox"/> Distribution <input type="checkbox"/> Special <input type="checkbox"/> State <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Standard RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.) Date: 4/9/19 Time: 1810 Grab / Composite: GRAB Matrix: Air	2 TERRA-BAG	None	GFA-2261-13	* CARBON DIOXIDE NITROGEN METHANE ETHANE PROPANE ISO-BUTANE N-BUTANE ISO-PENTANE N-PENTANE HEXANES PLUS

	Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
1	<i>[Signature]</i>	4/11/19 1418	<i>[Signature]</i>	4/11/19 1418	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp:
2	<i>[Signature]</i>	4-11-19 1525	<i>[Signature]</i>	4-11-19 1525	
3					

All samples submitted to Element Materials Technology for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Element Materials Technology reserves the right to return unused sample portions.

8800 North US 31
Columbus, IN
47201 USA
P 812-375-0531
F 812-375-0731

328 Ley Road, Suite 100
Fort Wayne, IN
46825 USA
P 260-471-7000
F 260-471-7777

909 Executive Dr
Warsaw, IN
46580 USA
P 574-267-3305
F 574-269-6569

3371 Cleveland Road, Suite 100A
South Bend, IN
46628 USA
P 574-277-0707
F 574-273-5699

2417 W. Pinhook Rd
Lafayette, LA
70508 USA
P 337-235-0483
F 337-233-6540