NM2 - _12___

LAB RESULTS FROM

MARCH 9, 2015 SAMPLING EVENT

Appendix A

Laboratory Reports



March 16, 2015

Coty Woolf Larson & Associates 507 N. Marienfeld #200 Midland, TX 79701 TEL: (432) 687-0901 FAX (432) 687-0456 RE: Chevron Landfarm

Order No.: 1503082

Dear Coty Woolf:

DHL Analytical, Inc. received 14 sample(s) on 3/9/2015 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont General Manager

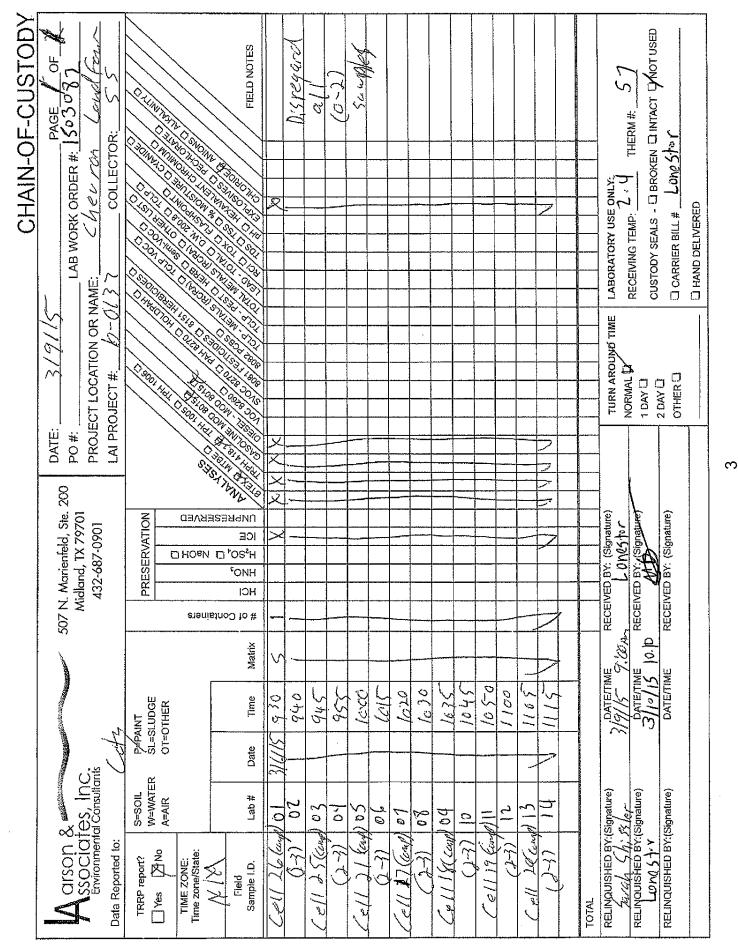
This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-14-13



2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229 www.dhlanalytical.com

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PrepDatesReport 1503082	
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Analytical Report 1503082	
AnalyticalQCSummaryReport 1503082	



Client Name Larson & Associates			Date Rece	ived: 3/9/2015	i
Nork Order Number 1503082			Received b	y MB	
Checklist completed by	3/10/2015 Date		Reviewed t	by DL Initials	3/10/2015 Date
	Carrier name <u>L</u>	oneStar			
Shipping container/cooler in good condition?	Ŷ	es 🔽	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Y	es 🗌	No 🗔	Not Present 🗹	
Custody seals intact on sample bottles?	Y	es 🗌	No 🗔	Not Present 🗹	
Chain of custody present?	Y	es 🗹	No 🗔		
Chain of custody signed when relinquished and receive	d? Y	es 🔽	No 🗔		
Chain of custody agrees with sample labels?	Y	es 🔽	No 🗌		
Samples in proper container/bottle?		es 🗹	Νο		
Sample containers intact?		es 🗹			
Sufficient sample volume for indicated test?		es 🗹	No 🗌		
All samples received within holding time?		es 🗹			
Container/Temp Blank temperature in compliance?		es 🗹	No 🗌	2.4 °C	
Water - VOA vials have zero headspace?		es 🗌	No 🗌	No VOA vials submittee	1 🗹
Water - pH<2 acceptable upon receipt?	Y	es 🗍	No 🗌	NA 🗹 LOT #	
	А	djusted?		Checked by	
Water - ph>9 (S) or ph>12 (CN) acceptable upon receip		es 🗌	No 🗌	NA 🗹 LOT #	
	A	djusted?		Checked by	
Any No response must be detailed in the comments sec	tion below.	- _			
Client contacted Date co	ontacted:		Per	son contacted	
Contacted by: Regard	ing				· · · · · · · · · · · · · · · · · · ·
Comments:					
	·	· · · · · · · · · · · · · · · · · · ·			
Corrective Action					
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Page 1 of 1					
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CLIENT:Larson & AssociatesProject:Chevron LandfarmLab Order:1503082

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method M8015D - DRO Analysis Method M8015V - GRO Analysis Method E418.1 - Total Recoverable Petroleum Hydrocarbons Analysis (This parameter is not NELAC Certified) Method SW8021B - Volatile Organics by GC Analysis Method E300 - Anions Analysis Method M2320 B - Soluble Alkalinity of Soil Method D2216 - Percent Moisture Analysis

LOG IN

The samples were received and log-in performed on 3/9/2015. A total of 14 samples were received and analyzed. The samples arrived in good condition and were properly packaged. The client sent a revised chain of custody form on 3/10/2015. The samples were collected in Mountain Standard Time.

As per the TCEQ-NELAP accreditation requirement the following must be noted: NELAP requires a note that if 5035 sampling method for VOCs and GRO is not utilized, the results of samples collected in bulk containers for low level volatile components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

DRO ANALYSIS

For DRO Analysis, the recovery of surrogate Isopropylbenzene for four samples was below the method control limits. The remaining surrogate for these samples was within method control limits. These are flagged accordingly in the Analytical Data Report. No further corrective action was taken.

CLIENT: Project: Lab Order:	Larson & Associates Chevron Landfarm 1503082		Work Order Sample	Summary
Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1503082-01	Cell 26 (comp)		03/06/15 09:30 AM	3/10/2015
1503082-02	Cell 26 (2-3)		03/06/15 09:40 AM	3/10/2015
1503082-03	Cell 25 (comp)		03/06/15 09:45 AM	3/10/2015
1503082-04	Cell 25 (2-3)		03/06/15 09:55 AM	3/10/2015
1503082-05	Cell 21 (comp)		03/06/15 10:00 AM	3/10/2015
1503082-06	Cell 21 (2-3)		03/06/15 10:15 AM	3/10/2015
1503082-07	Cell 17 (comp)		03/06/15 10:20 AM	3/10/2015
1503082-08	Cell 17 (2-3)		03/06/15 10:30 AM	3/10/2015
1503082-09	Cell 18 (comp)		03/06/15 10:35 AM	3/10/2015
1503082-10	Cell 18 (2-3)		03/06/15 10:45 AM	3/10/2015
1503082-11	Cell 19 (comp)		03/06/15 10:50 AM	3/10/2015
1503082-12	Cell 19 (2-3)		03/06/15 11:00 AM	3/10/2015
1503082-13	Cell 20 (comp)		03/06/15 11:05 AM	3/10/2015
1503082-14	Cell 20 (2-3)		03/06/15 11:15 AM	3/10/2015

Date: 16-Mar-15

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16-Mar-15

Sample ID Client Sample Com 1503082-01A Cell 26 (com Cell 26 (com Cell 26 (com Cell 26 (com Cell 26 (com 1503082-02A Cell 26 (com Cell 26 (com Cell 26 (com 1503082-02A Cell 26 (2-3) Cell 26 (com Cell 25 (com Cell 26 (com Cell 25 (com 1503082-04A Cell 25 (com 1503082-04A Cell 25 (com Cell 25 (com Cell 25 (2-3) Cell 25 (com Cell 25 (2-3) <	Client Sample ID Cell 26 (comp) Cell 26 (comp) Cell 26 (comp) Cell 26 (comp) Cell 26 (comp) Cell 26 (comp) Cell 26 (2-3) Cell 26 (2-3) Cell 26 (2-3) Cell 26 (2-3)	Collection Date 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Mattrix Soil Soil Soil Soil Soil	Test Number E300 D2216 SW5030A			
	6 (comp) 6 (comp) 6 (comp) 6 (comp) 6 (comp) 6 (comp) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil Soil Soil Soil Soil	E300 D2216 SW5030A	Test Name	Prep Date	Batch ID
	6 (comp) 6 (comp) 6 (comp) 6 (comp) 6 (2-3) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil Soil Soil Soil Soil	D2216 SW5030A	Anion Prep	03/11/15 09:00 AM	68569
	6 (comp) 6 (comp) 6 (comp) 6 (comp) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil Soil Soil Soil	SW5030A	Moisture Preparation	03/12/15 09:42 AM	68554
	6 (comp) 6 (comp) 6 (comp) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil Soil Soil		Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	6 (comp) 6 (comp) 6 (2-3) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:30 AM 03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil Soil Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	6 (comp) 6 (2-3) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:30 AM 03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	6 (2-3) 6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:40 AM 03/06/15 09:40 AM 03/06/15 09:40 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
	6 (2-3) 6 (2-3) 6 (2-3)	03/06/15 09:40 AM 03/06/15 09:40 AM		E300	Anion Prep	03/11/15 09:00 AM	68569
	6 (2-3) (6 (2-3)	03/06/15 09:40 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	6 (2-3)		Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
		03/06/15 09:40 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	6 (2-3)	03/06/15 09:40 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	6 (2-3)	03/06/15 09:40 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
	Cell 25 (comp)	03/06/15 09:45 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 25 (comp)	03/06/15 09:45 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 25 (comp)	03/06/15 09:45 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 25 (comp)	03/06/15 09:45 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 25 (comp)	03/06/15 09:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 25 (comp)	03/06/15 09:45 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
	5 (2-3)	03/06/15 09:55 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	5 (2-3)	03/06/15 09:55 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	5 (2-3)	03/06/15 09:55 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	5 (2-3)	03/06/15 09:55 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	5 (2-3)	03/06/15 09:55 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	5 (2-3)	03/06/15 09:55 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
	Cell 21 (comp)	03/06/15 10:00 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
Cell 21 (Cell 21 (comp)	03/06/15 10:00 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
Cell 21 (Cell 21 (comp)	03/06/15 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
Cell 21 (Cell 21 (comp)	03/06/15 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589

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Client:	Larson & Associates	ciates			PREP I	PREP DATES REPORT	_
Project:	Chevron Landfarm	arm					
Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1503082-05A	Cell 21 (comp)	03/06/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 21 (comp)	03/06/15 10:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-06A	Cell 21 (2-3)	03/06/15 10:15 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 21 (2-3)	03/06/15 10:15 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 21 (2-3)	03/06/15 10:15 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 21 (2-3)	03/06/15 10:15 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 21 (2-3)	03/06/15 10:15 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 21 (2-3)	03/06/15 10:15 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-07A	Cell 17 (comp)	03/06/15 10:20 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 17 (comp)	03/06/15 10:20 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 17 (comp)	03/06/15 10:20 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 17 (comp)	03/06/15 10:20 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 17 (comp)	03/06/15 10:20 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 17 (comp)	03/06/15 10:20 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-08A	Cell 17 (2-3)	03/06/15 10:30 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 17 (2-3)	03/06/15 10:30 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 17 (2-3)	03/06/15 10:30 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 17 (2-3)	03/06/15 10:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 17 (2-3)	03/06/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 17 (2-3)	03/06/15 10:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-09A	Cell 18 (comp)	03/06/15 10:35 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 18 (comp)	03/06/15 10:35 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 18 (comp)	03/06/15 10:35 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 18 (comp)	03/06/15 10:35 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 18 (comp)	03/06/15 10:35 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 18 (comp)	03/06/15 10:35 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-10A	Cell 18 (2-3)	03/06/15 10:45 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 18 (2-3)	03/06/15 10.45 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554

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Lab Urder: Client: Project:	Larson & Associates Chevron Landfarm	ciates àrm			PREPI	PREP DATES REPORT	Ι
Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1503082-10A	Cell 18 (2-3)	03/06/15 10:45 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 18 (2-3)	03/06/15 10:45 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68289
	Cell 18 (2-3)	03/06/15 10:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 18 (2-3)	03/06/15 10:45 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-11A	Cell 19 (comp)	03/06/15 10:50 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 19 (comp)	03/06/15 10:50 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 19 (comp)	03/06/15 10:50 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 19 (comp)	03/06/15 10:50 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68289
	Cell 19 (comp)	03/06/15 10:50 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 19 (comp)	03/06/15 10:50 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-12A	Cell 19 (2-3)	03/06/15 11:00 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 19 (2-3)	03/06/15 11:00 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 19 (2-3)	03/06/15 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 19 (2-3)	03/06/15 11:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 19 (2-3)	03/06/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 19 (2-3)	03/06/15 11:00 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-13A	Cell 20 (comp)	03/06/15 11:05 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 20 (comp)	03/06/15 11:05 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 20 (comp)	03/06/15 11:05 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 20 (comp)	03/06/15 11:05 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68289
	Cell 20 (comp)	03/06/15 11:05 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 20 (comp)	03/06/15 11:05 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-14A	Cell 20 (2-3)	03/06/15 11:15 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 20 (2-3)	03/06/15 11:15 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 20 (2-3)	03/06/15 11:15 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 20 (2-3)	03/06/15 11:15 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68289
	Cell 20 (2-3)	03/06/15 11:15 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 20 (2-3)	03/06/15 11:15 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578

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Lab Order:	1503082						TAOATA TATES BEDADA	
Chent: Project:	Larson & Associates Chevron Landfarm							
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1503082-01A	Cell 26 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 10:20 AM	IC2_150311A
	Cell 26 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	$PMOIST_150312A$
	Cell 26 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 10:31 AM	GC15_150312A
	Cell 26 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 12:55 PM	GC4_150312A
	Cell 26 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$IR207_{-}150311A$
	Cell 26 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 11:49 AM	$GC4_{150311A}$
1503082-02A	Cell 26 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 10:35 AM	$IC2_150311A$
	Cell 26 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 26 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 10:40 AM	GC15_150312A
	Cell 26 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 01:19 PM	$GC4_{150312A}$
	Cell 26 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-}150311\mathrm{A}$
	Cell 26 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 12:13 PM	$GC4_{150311A}$
1503082-03A	Cell 25 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 10:49 AM	IC2_150311A
	Cell 25 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 25 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 10:49 AM	GC15_150312A
	Cell 25 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 01:43 PM	$GC4_{150312A}$
	Cell 25 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$IR207_{-}150311A$
	Cell 25 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 12:38 PM	GC4_150311A
1503082-04A	Cell 25 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 11:04 AM	$IC2_150311A$
	Cell 25 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	$PMOIST_150312A$
	Cell 25 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 10:58 AM	GC15_150312A
	Cell 25 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 02:08 PM	$GC4_{150312A}$
	Cell 25 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	${ m IR207}_{-}150311{ m A}$
	Cell 25 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 01:03 PM	GC4_150311A
1503082-05A	Cell 21 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 11:26 AM	$IC2_150311A$
	Cell 21 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 21 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 11:07 AM	$GC15_150312A$
	Cell 21 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 02:31 PM	$GC4_{-}150312A$

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16-Mar-15

DHL An	DHL Analytical, Inc.						10-Mar-11	
Lab Order:								
Client: Project:	Larson & Associates Chevron Landfarm	es			ANA	MLYIK	ANALYTICAL DATES KEPOKI	KEPOKI
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1503082-05A	Cell 21 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$ m IR207_{-150311A}$
	Cell 21 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 01:28 PM	$GC4_{150311A}$
1503082-06A	Cell 21 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 11:41 AM	IC2_150311A
	Cell 21 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 21 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 11:16 AM	GC15_150312A
	Cell 21 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 03:50 PM	$GC4_{150312A}$
	Cell 21 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$ m IR207_{-}150311A$
	Cell 21 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 01:52 PM	GC4_150311A
1503082-07A	Cell 17 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 11:56 AM	IC2_150311A
	Cell 17 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 17 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 11:25 AM	GC15_150312A
	Cell 17 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 02:56 PM	$GC4_{150312A}$
	Cell 17 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-}150311\mathrm{A}$
	Cell 17 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 02:18 PM	GC4_150311A
1503082-08A	Cell 17 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 12:10 PM	$IC2_150311A$
	Cell 17 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 17 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 11:34 AM	GC15_150312A
	Cell 17 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 03:20 PM	$GC4_{-}150312A$
	Cell 17 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-150311A}$
	Cell 17 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 02:44 PM	GC4_150311A
1503082-09A	Cell 18 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 12:25 PM	$IC2_150311A$
	Cell 18 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A
	Cell 18 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 12:01 PM	GC15_150312A
	Cell 18 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 05:11 PM	GC4_150312A
	Cell 18 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\rm IR207_{-150311A}$
	Cell 18 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 03:09 PM	GC4_150311A
1503082-10A	Cell 18 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 12:39 PM	$IC2_150311A$
	Cell 18 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	PMOIST_150312A

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	DITL Allalyucal, Ille.							
Lab Order:	1503082							
Client: Project:	Larson & Associates Chevron Landfarm	tes 1			ANA	NLYTIC	ANALYTICAL DATES REPORT	REPORT
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1503082-10A	Cell 18 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 12:10 PM	GC15_150312A
	Cell 18 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 05:35 PM	$GC4_150312A$
	Cell 18 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-150311\mathrm{A}}$
	Cell 18 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 03:33 PM	$GC4_{150311A}$
1503082-11A	Cell 19 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 01:11 PM	$IC2_150311A$
	Cell 19 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	$PMOIST_150312A$
	Cell 19 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 12:30 PM	$GC15_150312A$
	Cell 19 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 05:59 PM	$GC4_{-}150312A$
	Cell 19 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-150311\mathrm{A}}$
	Cell 19 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 05:31 PM	$GC4_{-}150311A$
1503082-12A	Cell 19 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 01:25 PM	$IC2_150311A$
	Cell 19 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	$PMOIST_150312A$
	Cell 19 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 12:39 PM	GC15_150312A
	Cell 19 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 06:23 PM	$GC4_150312A$
	Cell 19 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-150311\mathrm{A}}$
	Cell 19 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 05:56 PM	$GC4_150311A$
1503082-13A	Cell 20 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 01:40 PM	$IC2_150311A$
	Cell 20 (comp)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	$PMOIST_150312A$
	Cell 20 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 12:48 PM	GC15_150312A
	Cell 20 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 06:48 PM	$GC4_150312A$
	Cell 20 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\rm IR207_{-}150311A$
	Cell 20 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 06:20 PM	GC4_150311A
1503082-14A	Cell 20 (2-3)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 01:54 PM	$IC2_150311A$
	Cell 20 (2-3)	Soil	D2216	Percent Moisture	68554	1	03/13/15 08:35 AM	$PMOIST_150312A$
	Cell 20 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	68575	1	03/12/15 12:57 PM	GC15_150312A
	Cell 20 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	68589	1	03/12/15 07:12 PM	$GC4_150312A$
	Cell 20 (2-3)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	$\mathrm{IR207}_{-}150311\mathrm{A}$
	Cell 20 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 06:44 PM	$GC4_150311A$
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	J							
CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 20	6 (comp)	
Project:	Chevron Landfarm				Ι	ab ID: 15030	82-01	
Project No:	6-0137			C	ollection	n Date: 03/06/	15 09:30	AM
Lab Order:	1503082				Ν	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO
TPH-DRO C10-	-C28	45.8	11.5	11.5		mg/Kg-dry	1	03/12/15 10:31 AM
Surr: Isoprop	ylbenzene	54.8	0	47-142		%REC	1	03/12/15 10:31 AM
Surr: Octaco	sane	96.6	0	25-162		%REC	1	03/12/15 10:31 AM
TPH PURGEAE	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: AV
Gasoline Range	e Organics	ND	0.117	0.233		mg/Kg-dry	1	03/12/15 12:55 PM
Surr: Tetrach	lorethene	104	0	70-134		%REC	1	03/12/15 12:55 PM
	GANICS BY GC		SW80	21B				Analyst: AV
Benzene		ND	0.00327	0.00545		mg/Kg-dry	1	03/11/15 11:49 AM
Ethylbenzene		ND	0.00545	0.0164		mg/Kg-dry	1	03/11/15 11:49 AM
Toluene		ND	0.00545	0.0164		mg/Kg-dry	1	03/11/15 11:49 AM
Xylenes, Total		ND	0.00545	0.0164		mg/Kg-dry	1	03/11/15 11:49 AM
Surr: Tetrach	loroethene	106	0	79-135		%REC	1	03/11/15 11:49 AM
TRPH			E41	8.1		Analyst: ABO		
Petroleum Hydr	ocarbons, TR	26.0	5.74	11.5	Ν	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC Chloride	METHOD - SOIL	8.60	E3 (5.94)0 5.94		mg/Kg-dry	1	Analyst: AV 03/11/15 10:20 AM
PERCENT MOI	STURE		D22	16				Analyst: MDM
Percent Moistur	re	16.3	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 20	6 (2-3)	
Project:	Chevron Landfarm				L	ab ID: 15030	82-02	
Project No:	6-0137			C	ollection	n Date: 03/06/	15 09:40	AM
Lab Order:	1503082				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 ²	15D				Analyst: ABO
TPH-DRO C10-	-C28	ND	11.4	11.4		mg/Kg-dry	1	03/12/15 10:40 AM
Surr: Isoprop	ylbenzene	33.4	0	47-142	S	%REC	1	03/12/15 10:40 AM
Surr: Octaco	sane	78.0	0	25-162		%REC	1	03/12/15 10:40 AM
TPH PURGEAE	BLE BY GC - SOIL		M80 ²	15V				Analyst: AV
Gasoline Range	e Organics	ND	0.108	0.215		mg/Kg-dry	1	03/12/15 01:19 PM
Surr: Tetrach	lorethene	117	0	70-134		%REC	1	03/12/15 01:19 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV
Benzene		ND	0.00337	0.00562		mg/Kg-dry	1	03/11/15 12:13 PM
Ethylbenzene		ND	0.00562	0.0169		mg/Kg-dry	1	03/11/15 12:13 PM
Toluene		ND	0.00562	0.0169		mg/Kg-dry	1	03/11/15 12:13 PM
Xylenes, Total		ND	0.00562	0.0169		mg/Kg-dry	1	03/11/15 12:13 PM
Surr: Tetrach	loroethene	106	0	79-135		%REC	1	03/11/15 12:13 PM
ТКРН			E41	8.1				Analyst: ABO
Petroleum Hydr	rocarbons, TR	ND	5.60	11.2	Ν	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		13.9	5.37	5.37		mg/Kg-dry	1	03/11/15 10:35 AM
PERCENT MOI	STURE		D22	16				Analyst: MDM
Percent Moistur	re	12.4	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 25	5 (comp)		
Project:	Chevron Landfarm				L	ab ID: 15030	82-03		
Project No:	6-0137	Collection Date: 03/06/15 09:45 AM							
Lab Order:	1503082				N	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO	
TPH-DRO C10-	-C28	25.2	11.7	11.7		mg/Kg-dry	1	03/12/15 10:49 AM	
Surr: Isoprop	bylbenzene	51.8	0	47-142		%REC	1	03/12/15 10:49 AM	
Surr: Octacosane		89.9	0	25-162		%REC	1	03/12/15 10:49 AM	
FPH PURGEAE	BLE BY GC - SOIL		M801	15V				Analyst: AV	
Gasoline Range Organics		ND	0.121	0.242		mg/Kg-dry	1	03/12/15 01:43 PM	
Surr: Tetrachlorethene		104	0	70-134		%REC	1	03/12/15 01:43 PM	
	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00342	0.00569		mg/Kg-dry	1	03/11/15 12:38 PM	
Ethylbenzene		ND	0.00569	0.0171		mg/Kg-dry	1	03/11/15 12:38 PM	
Toluene		ND	0.00569	0.0171		mg/Kg-dry	1	03/11/15 12:38 PM	
Xylenes, Total		ND	0.00569	0.0171		mg/Kg-dry	1	03/11/15 12:38 PM	
Surr: Tetrach	nloroethene	101	0	79-135		%REC	1	03/11/15 12:38 PM	
TRPH			E418	8.1			Analyst: ABO		
Petroleum Hydr	rocarbons, TR	ND	6.13	12.3	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV	
Chloride		11.7	5.39	5.39		mg/Kg-dry	1	03/11/15 10:49 AM	
PERCENT MOI	ISTURE		D22	16				Analyst: MDM	
Percent Moistur	re	18.7	0	0		WT%	1	03/13/15 08:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 2:	5 (2-3)	
Project:	Chevron Landfarm				L	ab ID: 15030	82-04	
Project No:	6-0137			C	ollection	Date: 03/06/	15 09:55	AM
Lab Order:	1503082				N	Aatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D						Analyst: ABO
TPH-DRO C10-	-C28	ND	11.7	11.7		mg/Kg-dry	1	03/12/15 10:58 AM
Surr: Isoprop	ylbenzene	23.5	0	47-142	S	%REC	1	03/12/15 10:58 AM
Surr: Octacosane		72.9	0	25-162		%REC	1	03/12/15 10:58 AM
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: AV
Gasoline Range Organics		ND	0.117	0.233		mg/Kg-dry	1	03/12/15 02:08 PM
Surr: Tetrachlorethene		106	0	70-134		%REC	1	03/12/15 02:08 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV
Benzene		ND	0.00341	0.00568		mg/Kg-dry	1	03/11/15 01:03 PM
Ethylbenzene		ND	0.00568	0.0170		mg/Kg-dry	1	03/11/15 01:03 PM
Toluene		ND	0.00568	0.0170		mg/Kg-dry	1	03/11/15 01:03 PM
Xylenes, Total		ND	0.00568	0.0170		mg/Kg-dry	1	03/11/15 01:03 PM
Surr: Tetrach	loroethene	106	0	79-135		%REC	1	03/11/15 01:03 PM
TRPH			E418	B.1	Analyst: ABO			
Petroleum Hydr	rocarbons, TR	ND	5.83	11.7	Ν	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		15.4	5.33	5.33		mg/Kg-dry	1	03/11/15 11:04 AM
PERCENT MOI	STURE		D22	16				Analyst: MDM
Percent Moistu	re	15.2	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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Larson & Associates			Cli	ent Sam	ple ID: Cell 21	l (comp)		
Chevron Landfarm				I	ab ID: 15030	82-05		
6-0137	Collection Date: 03/06/15 10:00 AM							
1503082				Ν	Matrix: SOIL			
	Result	MDL	RL	Qual	Units	DF	Date Analyzed	
BLE BY GC - SOIL	M8015D						Analyst: ABO	
28	34.1	11.3	11.3		mg/Kg-dry	1	03/12/15 11:07 AM	
benzene	60.3	0	47-142		%REC	1	03/12/15 11:07 AM	
Surr: Octacosane		0	25-162		%REC	1	03/12/15 11:07 AM	
E BY GC - SOIL		M80 ²	15V				Analyst: AV	
Gasoline Range Organics		0.115	0.230		mg/Kg-dry	1	03/12/15 02:31 PM	
Surr: Tetrachlorethene		0	70-134		%REC	1	03/12/15 02:31 PM	
ANICS BY GC		SW80	21B				Analyst: AV	
	ND	0.00354	0.00590		mg/Kg-dry	1	03/11/15 01:28 PM	
	ND	0.00590	0.0177		mg/Kg-dry	1	03/11/15 01:28 PM	
	ND	0.00590	0.0177		mg/Kg-dry	1	03/11/15 01:28 PM	
	ND	0.00590	0.0177		mg/Kg-dry	1	03/11/15 01:28 PM	
proethene	108	0	79-135		%REC	1	03/11/15 01:28 PM	
		E41	8.1				Analyst: ABO	
carbons, TR	ND	5.52	11.0	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
NETHOD - SOIL	0.00		-			4	Analyst: AV	
	8.08	4.99	4.99		mg/Kg-dry	1	03/11/15 11:26 AM	
TURE							Analyst: MDM	
	15.7	0	0		WT%	4	03/13/15 08:35 AM	
	Chevron Landfarm 6-0137 1503082 BLE BY GC - SOIL 28 benzene ane LE BY GC - SOIL Organics orethene ANICS BY GC	Chevron Landfarm 6-0137 1503082 Result BLE BY GC - SOIL 28 34.1 benzene 60.3 ane 98.5 LE BY GC - SOIL Organics ND orethene 104 ANICS BY GC ND ND ND ND ND ND ND ND ND ND	Chevron Landfarm 6-0137 1503082 Result MDL BLE BY GC - SOIL M804 28 34.1 11.3 benzene 60.3 0 ane 98.5 0 Drganics ND 0.115 Organics ND 0.115 orethene 104 0 ANICS BY GC SW80 ND 0.00354 ND 0.00590 ND 0.00590 ND 0.00590 ND 0.00590 ND 0.552 METHOD - SOIL E30 TURE D22	Chevron Landfarm 6-0137 C 6-0137 1503082 Result MDL RL BLE BY GC - SOIL M8015D 800	Chevron Landfarm I 6-0137 Collection 1503082 N Result MDL RL Qual BLE BY GC - SOIL M8015D 28 34.1 11.3 11.3 benzene 60.3 0 47-142 ane 98.5 0 25-162 Dorganics ND 0.115 0.230 Organics ND 0.115 0.230 Organics ND 0.115 0.230 ANICS BY GC SW8021B ND 0.00590 ND 0.00590 0.0177 ND ND 0.00590 0.0177 ND 0.00590 0.0177 ND 0.00590 0.0177 ND 0.552 11.0 N METHOD - SOIL E300 4.99 4.99 <	Chevron Landfarm Lab ID: 150302 6-0137 Collection Date: 03/06/ 1503082 Matrix: SOIL Result MDL RL Qual Units BLE BY GC - SOIL M8015D 28 34.1 11.3 11.3 mg/Kg-dry benzene 60.3 0 47-142 %REC ane 98.5 0 25-162 %REC Dorganics ND 0.115 0.230 mg/Kg-dry Organics ND 0.115 0.230 mg/Kg-dry ANICS BY GC SW8021B ND 0.00354 0.00590 mg/Kg-dry ND 0.00590 0.0177 mg/Kg-dry <td>Chevron Landfarm Lab ID: 1503082-05 6-0137 Collection Date: 03/06/15 10:00 1503082 Matrix: SOIL Matrix: SOIL Result MDL RL Qual Units DF BLE BY GC - SOIL M8015D MB(g-dry) 1 28 34.1 11.3 11.3 mg/Kg-dry 1 benzene 60.3 0 47-142 %REC 1 me 98.5 0 25-162 %REC 1 MB MB ME MU NE ME ME</td>	Chevron Landfarm Lab ID: 1503082-05 6-0137 Collection Date: 03/06/15 10:00 1503082 Matrix: SOIL Matrix: SOIL Result MDL RL Qual Units DF BLE BY GC - SOIL M8015D MB(g-dry) 1 28 34.1 11.3 11.3 mg/Kg-dry 1 benzene 60.3 0 47-142 %REC 1 me 98.5 0 25-162 %REC 1 MB MB ME MU NE ME ME	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
Μ	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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	<i>J</i>								
CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 2	1 (2-3)		
Project:	Chevron Landfarm				I	ab ID: 15030	82-06		
Project No:	6-0137			C	ollection	n Date: 03/06/	15 10:15	AM	
Lab Order:	1503082				N	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D					Analyst: ABO		
TPH-DRO C10-	C28	16.8	10.7	10.7		mg/Kg-dry	1	03/12/15 11:16 AM	
Surr: Isopropylbenzene		34.6	0	47-142	S	%REC	1	03/12/15 11:16 AM	
Surr: Octacosane		96.1	0	25-162		%REC	1	03/12/15 11:16 AM	
TPH PURGEAB	BLE BY GC - SOIL	M8015V						Analyst: AV	
Gasoline Range Organics		ND	0.110	0.220		mg/Kg-dry	1	03/12/15 03:50 PM	
Surr: Tetrachlorethene		106	0	70-134		%REC	1	03/12/15 03:50 PM	
VOLATILE ORC	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00331	0.00552		mg/Kg-dry	1	03/11/15 01:52 PM	
Ethylbenzene		ND	0.00552	0.0165		mg/Kg-dry	1	03/11/15 01:52 PM	
Toluene		ND	0.00552	0.0165		mg/Kg-dry	1	03/11/15 01:52 PM	
Xylenes, Total		ND	0.00552	0.0165		mg/Kg-dry	1	03/11/15 01:52 PM	
Surr: Tetrach	loroethene	103	0	79-135		%REC	1	03/11/15 01:52 PM	
TRPH			E41	8.1				Analyst: ABO	
Petroleum Hydro	ocarbons, TR	ND	5.28	10.6	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV	
Chloride		30.0	4.91	4.91		mg/Kg-dry	1	03/11/15 11:41 AM	
PERCENT MOI	STURE		D22	16				Analyst: MDM	
Percent Moistur	e	11.5	0	0		WT%	1	03/13/15 08:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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	J)								
CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 17	7 (comp)		
Project:	Chevron Landfarm				Lab ID: 1503082-07				
Project No:	6-0137			С	ollection	n Date: 03/06/	15 10:20	AM	
Lab Order:	1503082				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D					Analyst: ABO		
TPH-DRO C10-	C28	18.2	12.0	12.0		mg/Kg-dry	1	03/12/15 11:25 AM	
Surr: Isopropylbenzene		57.4	0	47-142		%REC	1	03/12/15 11:25 AM	
Surr: Octacosane		85.3	0	25-162		%REC	1	03/12/15 11:25 AM	
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: AV	
Gasoline Range	e Organics	ND	0.119	0.237		mg/Kg-dry	1	03/12/15 02:56 PM	
Surr: Tetrachlorethene		102	0	70-134		%REC	1	03/12/15 02:56 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00361	0.00601		mg/Kg-dry	1	03/11/15 02:18 PM	
Ethylbenzene		ND	0.00601	0.0180		mg/Kg-dry	1	03/11/15 02:18 PM	
Toluene		ND	0.00601	0.0180		mg/Kg-dry	1	03/11/15 02:18 PM	
Xylenes, Total		ND	0.00601	0.0180		mg/Kg-dry	1	03/11/15 02:18 PM	
Surr: Tetrach	loroethene	102	0	79-135		%REC	1	03/11/15 02:18 PM	
TRPH			E418	8.1				Analyst: ABO	
Petroleum Hydr	ocarbons, TR	ND	6.06	12.1	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
	METHOD - SOIL		E30					Analyst: AV	
Chloride		11.1	5.86	5.86		mg/Kg-dry	1	03/11/15 11:56 AM	
PERCENT MOI	STURE		D22	16				Analyst: MDM	
Percent Moistur	e	18.9	0	0		WT%	1	03/13/15 08:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 17	7 (2-3)	
Project:	Chevron Landfarm				L	ab ID: 15030	82-08	
Project No:	6-0137	Collection Date: 03/06/15 10:30 AM						
Lab Order:	1503082				N	Aatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D						Analyst: ABO
TPH-DRO C10-	-C28	ND	11.5	11.5		mg/Kg-dry	1	03/12/15 11:34 AM
Surr: Isoprop	ylbenzene	28.3	0	47-142	S	%REC	1	03/12/15 11:34 AM
Surr: Octacosane		71.3	0	25-162		%REC	1	03/12/15 11:34 AM
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: AV
Gasoline Range Organics		ND	0.110	0.221		mg/Kg-dry	1	03/12/15 03:20 PM
Surr: Tetrachlorethene		105	0	70-134		%REC	1	03/12/15 03:20 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV
Benzene		ND	0.00341	0.00568		mg/Kg-dry	1	03/11/15 02:44 PM
Ethylbenzene		ND	0.00568	0.0171		mg/Kg-dry	1	03/11/15 02:44 PM
Toluene		ND	0.00568	0.0171		mg/Kg-dry	1	03/11/15 02:44 PM
Xylenes, Total		ND	0.00568	0.0171		mg/Kg-dry	1	03/11/15 02:44 PM
Surr: Tetrach	loroethene	103	0	79-135		%REC	1	03/11/15 02:44 PM
TRPH			E418	8.1	Analyst: ABO			
Petroleum Hydr	rocarbons, TR	ND	5.58	11.2	Ν	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		102	5.59	5.59		mg/Kg-dry	1	03/11/15 12:10 PM
PERCENT MOI	STURE		D22	16				Analyst: MDM
Percent Moistu	re	15.1	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			CI	ant Sam	\mathbf{n} \mathbf{D} \mathbf{C} \mathbf{e}^{11} 1	(comp)		
				Clie		ple ID: Cell 18			
Project:	Chevron Landfarm	Lab ID: 1503082-09 Collection Date: 03/06/15 10:35 AM							
Project No:	6-0137								
Lab Order:	1503082				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO	
TPH-DRO C10-	·C28	22.9	10.5	10.5		mg/Kg-dry	1	03/12/15 12:01 PM	
Surr: Isopropylbenzene		63.3	0	47-142		%REC	1	03/12/15 12:01 PM	
Surr: Octacosane		92.8	0	25-162		%REC	1	03/12/15 12:01 PM	
TPH PURGEAE	BLE BY GC - SOIL		M801	15V				Analyst: AV	
Gasoline Range Organics		ND	0.101	0.203		mg/Kg-dry	1	03/12/15 05:11 PM	
Surr: Tetrach	lorethene	103	0	70-134		%REC	1	03/12/15 05:11 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00315	0.00524		mg/Kg-dry	1	03/11/15 03:09 PM	
Ethylbenzene		ND	0.00524	0.0157		mg/Kg-dry	1	03/11/15 03:09 PM	
Toluene		ND	0.00524	0.0157		mg/Kg-dry	1	03/11/15 03:09 PM	
Xylenes, Total		ND	0.00524	0.0157		mg/Kg-dry	1	03/11/15 03:09 PM	
Surr: Tetrach	loroethene	103	0	79-135		%REC	1	03/11/15 03:09 PM	
FRPH			E418	8.1	Analyst: ABC				
Petroleum Hydr	ocarbons, TR	39.0	5.16	10.3	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
ANIONS BY IC Chloride	METHOD - SOIL	ND	E30 4.93)0 4.93		mg/Kg-dry	1	Analyst: AV 03/11/15 12:25 PM	
							•		
PERCENT MOI Percent Moistur		7.62	D22 0	16 0		WT%	1	Analyst: MDM 03/13/15 08:35 AM	
	e de la constante de la consta	1.02	0	0		VV I 70	I	03/13/15 00:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 18	8 (2-3)		
Project:	Chevron Landfarm	Lab ID: 1503082-10 Collection Date: 03/06/15 10:45 AM Matrix: SOIL							
Project No:	6-0137								
Lab Order:	1503082								
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D					Analyst: ABO		
TPH-DRO C10-	-C28	ND	13.8	13.8		mg/Kg-dry	1	03/12/15 12:10 PM	
Surr: Isoprop	ylbenzene	47.0	0	47-142		%REC	1	03/12/15 12:10 PM	
Surr: Octacosane		78.9	0	25-162		%REC	1	03/12/15 12:10 PM	
TPH PURGEAE	BLE BY GC - SOIL		M80 [,]	15V				Analyst: AV	
Gasoline Range Organics		ND	0.137	0.275		mg/Kg-dry	1	03/12/15 05:35 PM	
Surr: Tetrach	lorethene	106	0	70-134		%REC	1	03/12/15 05:35 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00380	0.00633		mg/Kg-dry	1	03/11/15 03:33 PM	
Ethylbenzene		ND	0.00633	0.0190		mg/Kg-dry	1	03/11/15 03:33 PM	
Toluene		ND	0.00633	0.0190		mg/Kg-dry	1	03/11/15 03:33 PM	
Xylenes, Total		ND	0.00633	0.0190		mg/Kg-dry	1	03/11/15 03:33 PM	
Surr: Tetrach	loroethene	105	0	79-135		%REC	1	03/11/15 03:33 PM	
TRPH			E41	8.1				Analyst: ABO	
Petroleum Hydr	ocarbons, TR	ND	6.57	13.1	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
ANIONS BY IC	METHOD - SOIL		E30	00			Analyst: AV		
Chloride		23.9	6.63	6.63		mg/Kg-dry	1	03/11/15 12:39 PM	
PERCENT MOI	STURE		D22	16				Analyst: MDM	
Percent Moistur	re	29.5	0	0		WT%	1	03/13/15 08:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 19	9 (comp)			
Project:	Chevron Landfarm		Lab ID: 1503082-11							
Project No:	6-0137	Collection Date: 03/06/15 10:50 AM								
Lab Order:	1503082				Ν	Matrix: SOIL				
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed		
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO		
TPH-DRO C10-	C28	21.6	11.6	11.6		mg/Kg-dry	1	03/12/15 12:30 PM		
Surr: Isoprop	ylbenzene	56.9	0	47-142		%REC	1	03/12/15 12:30 PM		
Surr: Octacosane		83.4	0	25-162		%REC	1	03/12/15 12:30 PM		
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: AV		
Gasoline Range Organics		ND	0.117	0.233		mg/Kg-dry	1	03/12/15 05:59 PM		
Surr: Tetrach	lorethene	99.9	0	70-134		%REC	1	03/12/15 05:59 PM		
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV		
Benzene		ND	0.00352	0.00587		mg/Kg-dry	1	03/11/15 05:31 PM		
Ethylbenzene		ND	0.00587	0.0176		mg/Kg-dry	1	03/11/15 05:31 PM		
Toluene		ND	0.00587	0.0176		mg/Kg-dry	1	03/11/15 05:31 PM		
Xylenes, Total		ND	0.00587	0.0176		mg/Kg-dry	1	03/11/15 05:31 PM		
Surr: Tetrach	loroethene	103	0	79-135		%REC	1	03/11/15 05:31 PM		
TRPH			E41	8.1			Analyst: ABO			
Petroleum Hydr	ocarbons, TR	30.9	5.73	11.5	Ν	mg/Kg-dry	1	03/11/15 03:55 PM		
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV		
Chloride		8.31	5.04	5.04		mg/Kg-dry	1	03/11/15 01:11 PM		
PERCENT MOI	STURE		D22	16				Analyst: MDM		
Percent Moistur	e	17.0	0	0		WT%	1	03/13/15 08:35 AM		

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 19	9 (2-3)		
Project:	Chevron Landfarm	Lab ID: 1503082-12 Collection Date: 03/06/15 11:00 AM							
Project No:	6-0137								
Lab Order:	1503082				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D					Analyst: ABO		
TPH-DRO C10-	C28	ND	12.5	12.5		mg/Kg-dry	1	03/12/15 12:39 PM	
Surr: Isoprop	ylbenzene	61.6	0	47-142		%REC	1	03/12/15 12:39 PM	
Surr: Octacosane		74.1	0	25-162		%REC	1	03/12/15 12:39 PM	
TPH PURGEAE	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: AV	
Gasoline Range Organics		ND	0.122	0.244		mg/Kg-dry	1	03/12/15 06:23 PM	
Surr: Tetrach	lorethene	102	0	70-134		%REC	1	03/12/15 06:23 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00336	0.00561		mg/Kg-dry	1	03/11/15 05:56 PM	
Ethylbenzene		ND	0.00561	0.0168		mg/Kg-dry	1	03/11/15 05:56 PM	
Toluene		ND	0.00561	0.0168		mg/Kg-dry	1	03/11/15 05:56 PM	
Xylenes, Total		ND	0.00561	0.0168		mg/Kg-dry	1	03/11/15 05:56 PM	
Surr: Tetrach	loroethene	104	0	79-135		%REC	1	03/11/15 05:56 PM	
TRPH			E41	8.1				Analyst: ABO	
Petroleum Hydr	ocarbons, TR	ND	6.29	12.6	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV	
Chloride		19.0	5.74	5.74		mg/Kg-dry	1	03/11/15 01:25 PM	
PERCENT MOI	STURE		D22	16				Analyst: MDM	
Percent Moistur	e	21.2	0	0		WT%	1	03/13/15 08:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
Ν	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 20	0 (comp)			
Project:	Chevron Landfarm		Lab ID: 1503082-13							
Project No:	6-0137	Collection Date: 03/06/15 11:05 AM								
Lab Order:	1503082				N	Aatrix: SOIL				
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed		
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO		
TPH-DRO C10-	·C28	ND	12.3	12.3		mg/Kg-dry	1	03/12/15 12:48 PM		
Surr: Isoprop	ylbenzene	68.6	0	47-142		%REC	1	03/12/15 12:48 PM		
Surr: Octacosane		74.1	0	25-162		%REC	1	03/12/15 12:48 PM		
TPH PURGEAE	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: AV		
Gasoline Range Organics		ND	0.115	0.230		mg/Kg-dry	1	03/12/15 06:48 PM		
Surr: Tetrach	lorethene	103	0	70-134		%REC	1	03/12/15 06:48 PM		
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV		
Benzene		ND	0.00341	0.00568		mg/Kg-dry	1	03/11/15 06:20 PM		
Ethylbenzene		ND	0.00568	0.0170		mg/Kg-dry	1	03/11/15 06:20 PM		
Toluene		ND	0.00568	0.0170		mg/Kg-dry	1	03/11/15 06:20 PM		
Xylenes, Total		ND	0.00568	0.0170		mg/Kg-dry	1	03/11/15 06:20 PM		
Surr: Tetrach	loroethene	101	0	79-135		%REC	1	03/11/15 06:20 PM		
TRPH			E41	8.1			Analyst: ABO			
Petroleum Hydr	ocarbons, TR	ND	5.94	11.9	Ν	mg/Kg-dry	1	03/11/15 03:55 PM		
ANIONS BY IC	METHOD - SOIL		E30	00			Analyst: AV			
Chloride		9.18	5.71	5.71		mg/Kg-dry	1	03/11/15 01:40 PM		
PERCENT MOI	STURE		D22	16				Analyst: MDM		
Percent Moistur	re la	19.7	0	0		WT%	1	03/13/15 08:35 AM		

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			CI	ant Sam	ple ID: Cell 20	(2,2)		
	Chevron Landfarm			CII		-	· /		
Project:		Lab ID: 1503082-14 Collection Date: 03/06/15 11:15 AM							
Project No:	6-0137								
Lab Order:	1503082				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO	
TPH-DRO C10-	-C28	ND	12.6	12.6		mg/Kg-dry	1	03/12/15 12:57 PM	
Surr: Isoprop	bylbenzene	66.5	0	47-142		%REC	1	03/12/15 12:57 PM	
Surr: Octacosane		76.5	0	25-162		%REC	1	03/12/15 12:57 PM	
TPH PURGEABLE BY GC - SOIL			M80 ²	15V				Analyst: AV	
Gasoline Range Organics		ND	0.123	0.245		mg/Kg-dry	1	03/12/15 07:12 PM	
Surr: Tetrach	lorethene	112	0	70-134		%REC	1	03/12/15 07:12 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV	
Benzene		ND	0.00365	0.00609		mg/Kg-dry	1	03/11/15 06:44 PM	
Ethylbenzene		ND	0.00609	0.0183		mg/Kg-dry	1	03/11/15 06:44 PM	
Toluene		ND	0.00609	0.0183		mg/Kg-dry	1	03/11/15 06:44 PM	
Xylenes, Total		ND	0.00609	0.0183		mg/Kg-dry	1	03/11/15 06:44 PM	
Surr: Tetrach	nloroethene	102	0	79-135		%REC	1	03/11/15 06:44 PM	
TRPH			E41	8.1				Analyst: ABO	
Petroleum Hydr	rocarbons, TR	ND	6.17	12.3	Ν	mg/Kg-dry	1	03/11/15 03:55 PM	
ANIONS BY IC	METHOD - SOIL		E30	00			Analyst: AV		
Chloride		12.5	6.22	6.22		mg/Kg-dry	1	03/11/15 01:54 PM	
PERCENT MOI	ISTURE		D22	16				Analyst: MDM	
Percent Moistur	re	21.9	0	0		WT%	1	03/13/15 08:35 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:		Associates			AN	ALYT	ICAL (QC SI	JMMAF	RY R	EPORT
Work Order: Project:	1503082 Chevron I	andfarm					RunIl	D: (GC15_150	312A	
The QC data in bat 06A, 1503082-07A	ch 68575 app	lies to the fo					03082-03A,	1503082	 -04A, 150308		503082-
Sample ID MB-68	3575	Batch ID:	68575		TestNo	: M80)15D		Units:	mg/Kg]
SampType: MBLK		Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	2/2015 1:55:	04 PM	Prep Date:	3/11/2	015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
TPH-DRO C10-C28	8		ND	10.0							
Surr: Isopropylbe			5.35		7.500		71.3	47	142		
Surr: Octacosan	e		5.92		7.500		78.9	25	162		
Sample ID LCS-6	8575	Batch ID:	68575		TestNo	: M80	15D		Units:	mg/Kg	9
SampType: LCS		Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	2/2015 2:04:	02 PM	Prep Date:	3/11/2	015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
TPH-DRO C10-C28	8		77.2	10.0	125.0	0	61.7	50	114		
Surr: Isopropylbe	enzene		5.92		7.500		78.9	47	142		
Surr: Octacosan	е		6.21		7.500		82.8	25	162		
Sample ID 15030	82-08AMS	Batch ID:	68575		TestNo	: M80	15D		Units:	mg/Kg	g-dry
SampType: MS		Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	2/2015 2:12:	59 PM	Prep Date:	3/11/2	015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
TPH-DRO C10-C28	8		85.4	11.8	146.9	0	58.1	50	114		
Surr: Isopropylbe	enzene		7.27		8.815		82.4	47	142		
Surr: Octacosan	е		7.03		8.815		79.7	25	162		
Sample ID 15030	82-08AMSD	Batch ID:	68575		TestNo	: M80	15D		Units:	mg/Kg	g-dry
SampType: MSD		Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	2/2015 2:21:	57 PM	Prep Date:	3/11/2	015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
TPH-DRO C10-C28	8		82.1	11.3	140.7	0	58.3	50	114	3.95	30
Surr: Isopropylbe	enzene		6.82		8.444		80.8	47	142	0	0
Surr: Octacosan	e		6.64		8.444		78.6	25	162	0	0

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 1 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	e
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

Work Order:

ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

1503082

RunID: GC15_150312A

Sample ID ICV-150312	Batch ID:	R78486		TestNo	: M80	15D		Units:	mg/Kg
SampType: ICV	Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	/2015 9:36:	15 AM	Prep Date	c
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		466	10.0	500.0	0	93.2	80	120	
Surr: Isopropylbenzene		28.0		25.00		112	80	120	
Surr: Octacosane		26.8		25.00		107	80	120	
Sample ID CCV1-150312	Batch ID:	R78486		TestNo	: M80	15D		Units:	mg/Kg
SampType: ССV	Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	/2015 12:19	9:10 PM	Prep Date	c
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		219	10.0	250.0	0	87.4	80	120	
Surr: Isopropylbenzene		14.0		12.50		112	80	120	
Surr: Octacosane		12.6		12.50		101	80	120	
Sample ID CCV2-150312	Batch ID:	R78486		TestNo	: M80	15D		Units:	mg/Kg
SampType: ССV	Run ID:	GC15_1	50312A	Analysi	s Date: 3/12	/2015 2:30:	54 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		217	10.0	250.0	0	86.8	80	120	
Surr: Isopropylbenzene		14.8		12.50		118	80	120	
Surr: Octacosane		12.7		12.50		102	80	120	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 2 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

1503082

ANALYTICAL QC SUMMARY REPORT

Work Order:

Work Order: 15	03082						-			
Project: Ch	evron Landfarm	l				RunII): (GC4_1503	11A	
The QC data in batch 68 06A, 1503082-07A, 150									82-05A, 1	503082-
Sample ID LCS-68571	Batch ID	D: 68571		TestNo	: SW	8021B		Units:	mg/Kg	1
SampType: LCS	Run ID:	GC4_1	150311A	Analys	is Date: 3/11	/2015 10:18	3:02 AM	Prep Date:	3/11/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Benzene		0.0943	0.00500	0.1000	0	94.3	65	113		
Toluene		0.0954	0.0150	0.1000	0	95.4	73	115		
Ethylbenzene		0.0922	0.0150	0.1000	0	92.2	74	118		
Xylenes, Total		0.283	0.0150	0.3000	0	94.4	73	119		
Surr: Tetrachloroethe	ne	0.187		0.2000		93.7	79	135		
Sample ID MB-68571	Batch ID	D: 68571		TestNo	: SW	8021B		Units:	mg/Kg	I
SampType: MBLK	Run ID:	GC4_1	50311A	Analys	is Date: 3/11	/2015 11:08	8:28 AM	Prep Date:	3/11/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Benzene		ND	0.00500							
Toluene		ND	0.0150							
Ethylbenzene		ND	0.0150							
Xylenes, Total		ND	0.0150							
Surr: Tetrachloroethe	ne	0.204		0.2000		102	79	135		
Sample ID 1503082-14	AMS Batch ID	D: 68571		TestNo	: SW	8021B		Units:	mg/Kg	J-dry
SampType: MS	Run ID:	GC4_1	50311A	Analys	is Date: 3/11	/2015 7:09:	27 PM	Prep Date:	3/11/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Benzene		0.109	0.00572	0.1144	0	95.0	65	113		
Toluene		0.109	0.0172	0.1144	0	95.3	73	115		
Ethylbenzene		0.108	0.0172	0.1144	0	94.4	74	118		
Xylenes, Total		0.321	0.0172	0.3431	0	93.7	73	119		
Surr: Tetrachloroethe	ne	0.186		0.2287		81.2	79	135		
Sample ID 1503082-1 4	AMSD Batch ID	D: 68571		TestNo	: SW	8021B		Units:	mg/Kg	J-dry
SampType: MSD	Run ID:	GC4_1	50311A	Analys	is Date: 3/11	/2015 7:33:	43 PM	Prep Date:	3/11/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Benzene		0.108	0.00564	0.1128	0	95.8	65	113	0.647	30
Toluene		0.108	0.0169	0.1128	0	95.6	73	115	1.15	30
Ethylbenzene		0.109	0.0169	0.1128	0	96.5	74	118	0.753	30
Xylenes, Total		0.326	0.0169	0.3383	0	96.4	73	119	1.45	30
Surr: Tetrachloroethe	ne	0.182		0.2255		80.7	79	135	0	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 3 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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ANALYTICAL QC SUMMARY REPORT

Chevron Landfarm **Project:**

Work Order:

RunID: GC4_150311A

Sample ID ICV-150311	Batch ID:	R78487		TestNo	: SW	8021B		Units:	mg/Kg
SampType: ICV	Run ID:	GC4_150)311A	Analysi	is Date: 3/11	/2015 9:35:	27 AM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit	%RPD RPDLimit Qual
Benzene		0.186	0.00500	0.2000	0	92.8	80	120	
Toluene		0.184	0.0150	0.2000	0	91.9	80	120	
Ethylbenzene		0.190	0.0150	0.2000	0	95.0	80	120	
Xylenes, Total		0.602	0.0150	0.6000	0	100	80	120	
Surr: Tetrachloroethene		0.180		0.2000		90.0	79	135	
Sample ID CCV1-150311	Batch ID:	R78487		TestNo	: SW	8021B		Units:	mg/Kg
SampType: CCV	Run ID:	GC4_150)311A	Analysi	is Date: 3/11	/2015 4:25:	31 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Benzene		0.0927	0.00500	0.1000	0	92.7	80	120	
Toluene		0.0926	0.0150	0.1000	0	92.6	80	120	
Ethylbenzene		0.0904	0.0150	0.1000	0	90.4	80	120	
Xylenes, Total		0.278	0.0150	0.3000	0	92.6	80	120	
Surr: Tetrachloroethene		0.182		0.2000		91.1	79	135	
Sample ID CCV2-150311	Batch ID:	R78487		TestNo	: SW	8021B		Units:	mg/Kg
SampType: ССV	Run ID:	GC4_150)311A	Analysi	is Date: 3/11	/2015 8:21:	56 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Benzene		0.0906	0.00500	0.1000	0	90.6	80	120	
Toluene		0.0898	0.0150	0.1000	0	89.8	80	120	
Ethylbenzene		0.0885	0.0150	0.1000	0	88.5	80	120	
Xylenes, Total		0.265	0.0150	0.3000	0	88.2	80	120	
Surr: Tetrachloroethene		0.176		0.2000		88.2	79	135	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 4 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

ANALYTICAL QC SUMMARY REPORT

Chevron Landfarm **Project:**

Work Order:

RunID: GC4_150312A

The QC data in batch 68589 app 06A, 1503082-07A, 1503082-08A									2-05A, 1	503082-
Sample ID LCS-68589	Batch ID:	68589		TestNo	M80	015V		Units:	mg/Kg]
SampType: LCS	Run ID:	GC4_1	50312A	Analysi	s Date: 3/12	2/2015 11:08	8:40 AM	Prep Date:	3/12/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD R	PDLimit Qual
Gasoline Range Organics		4.76	0.200	5.000	0	95.3	68	126		
Surr: Tetrachlorethene		0.378		0.4000		94.4	70	134		
Sample ID MB-68589	Batch ID:	68589		TestNo	M80	015V		Units:	mg/Kg	J
SampType: MBLK	Run ID:	GC4_1	50312A	Analysis	s Date: 3/12	2/2015 12:21	:37 PM	Prep Date:	3/12/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD R	PDLimit Qual
Gasoline Range Organics		ND	0.200							
Surr: Tetrachlorethene		0.411		0.4000		103	70	134		
Sample ID 1503082-14AMS	Batch ID:	68589		TestNo:	M80	015V		Units:	mg/Kg	g-dry
SampType: MS	Run ID:	GC4_1	50312A	Analysis	s Date: 3/12	2/2015 7:36:	57 PM	Prep Date:	3/12/2	015
Analyte	l	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Gasoline Range Organics		5.87	0.242	6.054	0	96.9	68	126		
Surr: Tetrachlorethene		0.446		0.4843		92.1	70	134		
Sample ID 1503082-14AMSD	Batch ID:	68589		TestNo:	M80	015V		Units:	mg/Kg	g-dry
SampType: MSD	Run ID:	GC4_1	50312A	Analysi	s Date: 3/12	2/2015 8:01:	19 PM	Prep Date:	3/12/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Gasoline Range Organics		6.21	0.252	6.292	0	98.6	68	126	5.59	30
Surr: Tetrachlorethene		0.452		0.5033		89.8	70	134	0	0

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 5 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Work Order: Project:	Larson & 1503082 Chevron L		5		AN	ALYTI	CAL (RunII	-	UMMA GC4_1503	RY REPORT 312A
Sample ID ICV-15	50312	Batch ID:	R78493		TestNo:	M80 1	15V		Units:	mg/Kg
SampType: ICV		Run ID:	GC4_150	312A	Analysis	Date: 3/12/	2015 10:36	6:54 AM	Prep Date	2:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
Gasoline Range Or	ganics		8.87	0.200	10.00	0	88.7	80	120	
Surr: Tetrachlore	thene		0.298		0.4000		74.5	70	134	
Sample ID CCV1-	450040		D 20 /00							
Sample ID CCVI-	150312	Batch ID:	R78493		TestNo:	M801	15V		Units:	mg/Kg
SampType: CCV	150312	Batch ID: Run ID:	R78493 GC4_150	312A		M801 Date: 3/12/		08 PM	Units: Prep Date	
	-150312			9 312A RL					Prep Date	2
SampType: CCV			GC4_150		Analysis	Date: 3/12/	2015 4:14:		Prep Date	2
SampType: CCV Analyte	ganics		GC4_150 Result	RL	Analysis SPK value	Date: 3/12/ Ref Val	2015 4:14: %REC	LowLim	Prep Date	2
SampType: CCV Analyte Gasoline Range Or Surr: Tetrachlore	ganics		GC4_150 Result 4.88	RL	Analysis SPK value 5.000	Date: 3/12/ Ref Val	2015 4:14: %REC 97.6 97.5	LowLim 80	Prep Date it HighLimit 120	
SampType: CCV Analyte Gasoline Range Or Surr: Tetrachlore	ganics thene	Run ID:	GC4_150 Result 4.88 0.390	RL 0.200	Analysis SPK value 5.000 0.4000 TestNo:	Date: 3/12/ Ref Val 0	2015 4:14: %REC 97.6 97.5 15V	LowLim 80 70	Prep Date it HighLimit 120 134	e: %RPD RPDLimit Qual mg/Kg

5.000

0.4000

4.94

0.373

0.200

Gasoline Range Organics

Surr: Tetrachlorethene

0

98.8

93.2

80

70

120

134

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 6 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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1503082

ANALYTICAL QC SUMMARY REPORT

Work Order:

Project:	Chevron L	andfarm					RunII): I	C2_15031	1A
The QC dat 06A, 15030	a in batch 68569 app 82-07A, 1503082-08A	lies to the fo A, 1503082-	ollowing sampl 09A, 1503082	les: 1503 -10A, 15	3082-01A, 15030 503082-11A, 150	82-02A, 150 3082-12A, 15	3082-03A, 503082-13,	1503082 A, 150308	-04A, 150308 82-14A	2-05A, 1503082-
Sample ID	MB-68569	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg
SampType:	MBLK	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 9:26:	44 AM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			ND	5.00						
Sample ID	LCS-68569	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg
SampType:	LCS	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 9:41:	19 AM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			50.3	5.00	50.00	0	101	80	120	
Sample ID	LCSD-68569	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg
SampType:	LCSD	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 9:55:	53 AM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			50.4	5.00	50.00	0	101	80	120	0.285 20
Sample ID	1503082-06AMS	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg-dry
SampType:	MS	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 2:16:	23 PM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			151	5.34	106.8	30.05	114	80	120	
Sample ID	1503082-06AMSD	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg-dry
SampType:	MSD	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 2:30:	58 PM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			152	5.08	101.6	30.05	120	80	120	0.613 20
Sample ID	1503082-14AMS	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg-dry
SampType:	MS	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 2:45:	32 PM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			141	5.96	119.3	12.53	108	80	120	
Sample ID	1503082-14AMSD	Batch ID:	68569		TestNo:	E300			Units:	mg/Kg-dry
SampType:	MSD	Run ID:	IC2_150311	Α	Analysis	Date: 3/11/2	2015 3:00:	06 PM	Prep Date:	3/11/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Qual
Chloride			134	5.65	113.0	12.53	108	80	120	4.93 20

Qualifiers: В Analyte detected in the associated Method Blank DF Dilution Factor Page 7 of 10 Analyte detected between MDL and RL MDL Method Detection Limit J ND Not Detected at the Method Detection Limit RPD outside accepted control limits R RL Reporting Limit \mathbf{S} Spike Recovery outside control limits J Analyte detected between SDL and RL Ν Parameter not NELAC certified

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CLIENT: Work Order: Project:	Larson & Associate 1503082 Chevron Landfarm			AN	ALYT	ICAL Q RunID	-	JMMA C2_1503	RY REPORT
Sample ID ICV-15	0311 Batch ID	: R78463	6	TestNo:	E30	0		Units:	mg/Kg
SampType: ICV	Run ID:	IC2_15	0311A	Analysis	Date: 3/11	1/2015 9:09:	57 AM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Chloride		24.7	5.00	25.00	0	98.6	90	110	
Sample ID CCV1-	150311 Batch ID	R78463	3	TestNo:	E30	0		Units:	mg/Kg
SampType: CCV	Run ID:	IC2_15	0311A	Analysis	Date: 3/11	1/2015 12:54	:19 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Chloride		10.1	5.00	10.00	0	101	90	110	
Sample ID CCV2-	150311 Batch ID	R78463	}	TestNo:	E30	0		Units:	mg/Kg
SampType: CCV	Run ID:	IC2_15	0311A	Analysis	Date: 3/11	1/2015 3:18:3	37 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Chloride		10.1	5.00	10.00	0	101	90	110	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 8 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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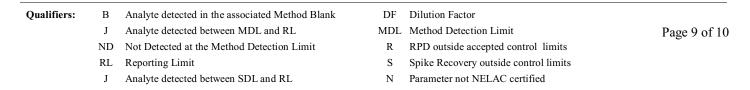
CLIENT: Larson & Associates

1503082

ANALYTICAL QC SUMMARY REPORT

Work Order:

Project: Ch	evron Landfarm					RunII	D: I	R207_15)311A		
The QC data in batch 68 06A, 1503082-07A, 1503	578 applies to the fo 3082-08A, 1503082-	ollowing s 09A, 150	amples: 1503 3082-10A, 150	082-01A, 1503 03082-11A, 150	082-02A, 15 03082-12A,	03082-03A, 1503082-13	1503082 A, 15030	2-04A, 15030 82-14A	82-05A, 15	03082-	
Sample ID ICV-150311	Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg		
SampType: ICV	Run ID:	IR207_	_150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual
Petroleum Hydrocarbons	s, TR	250	10.0	250.0	0	100	90	110			Ν
Sample ID MB-68578	Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg		
SampType: MBLK	Run ID:	IR207_	150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	3/11/20	15	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual
Petroleum Hydrocarbons	s, TR	ND	10.0								Ν
Sample ID LCS-68578	Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg		
SampType: LCS	Run ID:	IR207_	_150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	3/11/20	15	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual
Petroleum Hydrocarbons	s, TR	91.9	10.0	100.0	0	91.9	80	120			Ν
Sample ID 1503082-08	AMS Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg-	dry	
SampType: MS	Run ID:	IR207_	_150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	3/11/20	15	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual
Petroleum Hydrocarbons	s, TR	113	11.4	114.2	0	99.1	80	120			Ν
Sample ID 1503082-08	AMSD Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg-	dry	
SampType: MSD	Run ID:	IR207_	_150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	3/11/20	15	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual
Petroleum Hydrocarbons	s, TR	110	11.7	117.2	0	94.1	80	120	2.67	20	Ν
Sample ID CCV1-1503	11 Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg		
SampType: CCV	Run ID:	IR207_	150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual
Petroleum Hydrocarbons	, TR	254	10.0	250.0	0	102	85	115			Ν
Sample ID CCV2-1503	11 Batch ID:	68578		TestNo	: E41	8.1		Units:	mg/Kg		
	Run ID:	IR207_	150311A	Analys	is Date: 3/11	/2015 3:55:	00 PM	Prep Date	:		
SampType: CCV											
SampType: CCV Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RP	DLimit	Qual



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CLIENT: Work Order:	Larson & 1503082	Associates	5		AN	ALYT	ICAL (QC SI	JMMAF	RY RI	EPORT
Project:	Chevron I	Landfarm					RunII): I	PMOIST_	150312	Α
The QC data in bat 06A, 1503082-07A										2-05A, 1	503082-
Sample ID 15030	93-01C-DUP	Batch ID:	68554		TestNo	D22 ⁻	16		Units:	WT%	
SampType: DUP		Run ID:	PMOIST	_150312A	Analysi	s Date: 3/13	/2015 8:35:	00 AM	Prep Date:	3/12/2	015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Percent Moisture			19.8	0	0	18.63				6.27	30

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 10 of 10
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	8
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	
	J	Analyte detected between SDE and RE	1	Talalleter hot NELAC certified	



July 14, 2015

Mark Larson Larson & Associates 507 N. Marienfeld #200 Midland, TX 79701 TEL: (432) 687-0901 FAX (432) 687-0456 RE: Chevron Landfarm

Order No.: 1506216

Dear Mark Larson:

DHL Analytical, Inc. received 7 sample(s) on 6/18/2015 for the analyses presented in the following report.

Revision Number 1 for Work Order 1506216: This revision consists of compiling four samples, from a total of seven, into a separate report, per the client's request. Please replace the original Data Report with this revision.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

Dest Destrock for

John DuPont General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-14

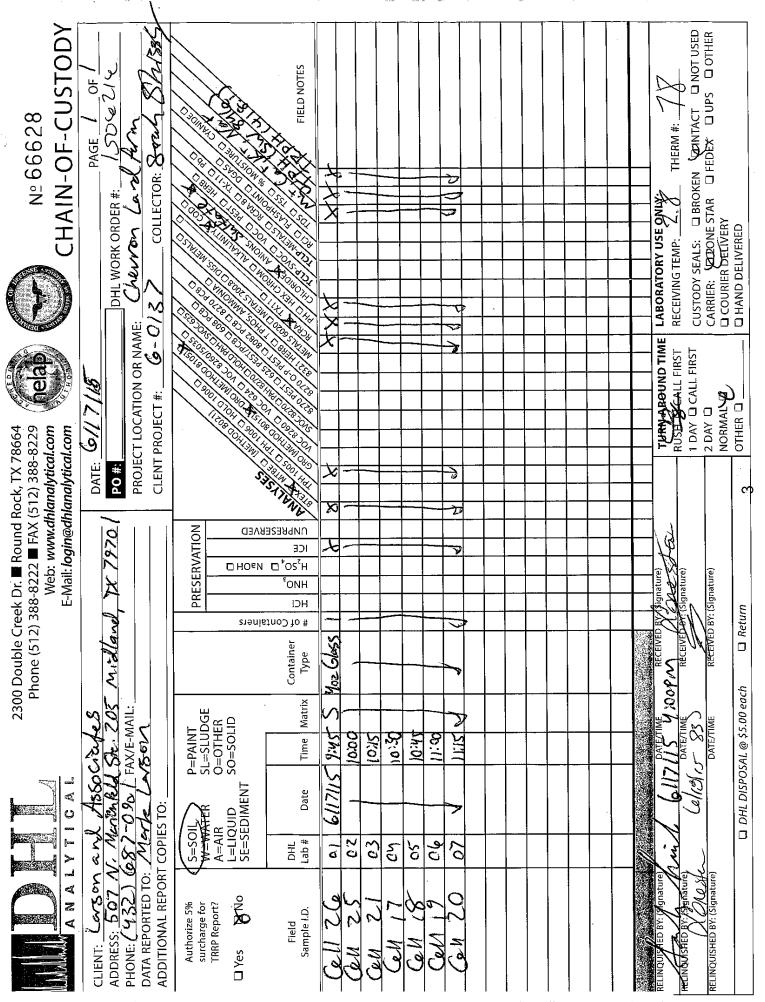


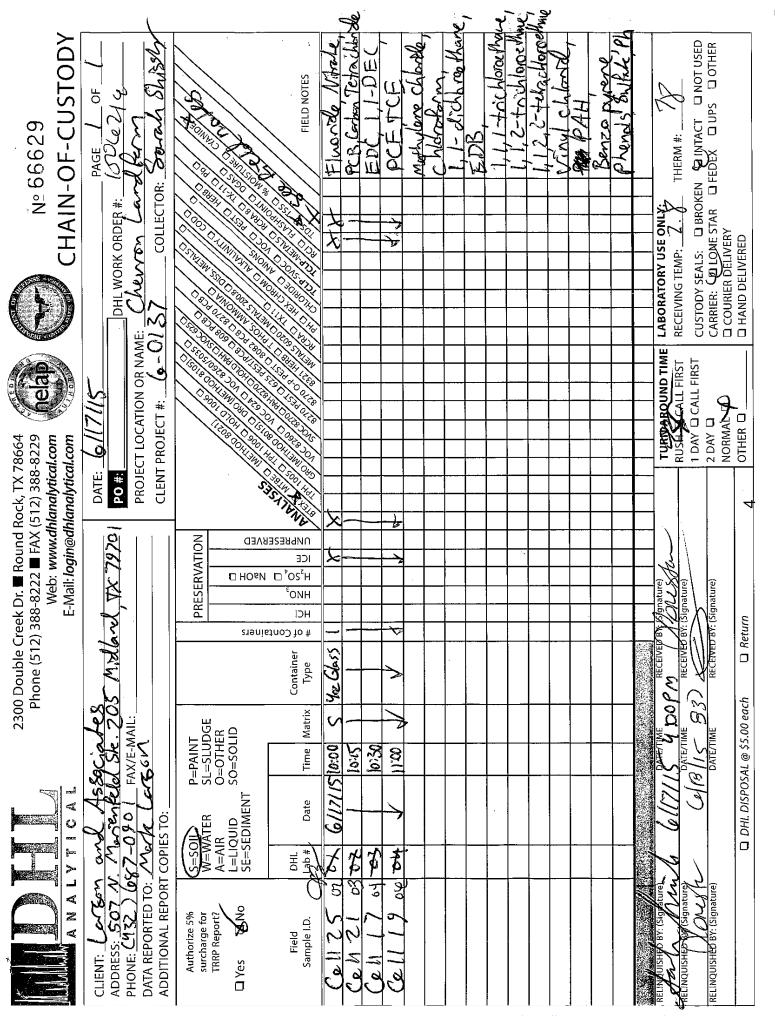
2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229 www.dhlanalytical.com

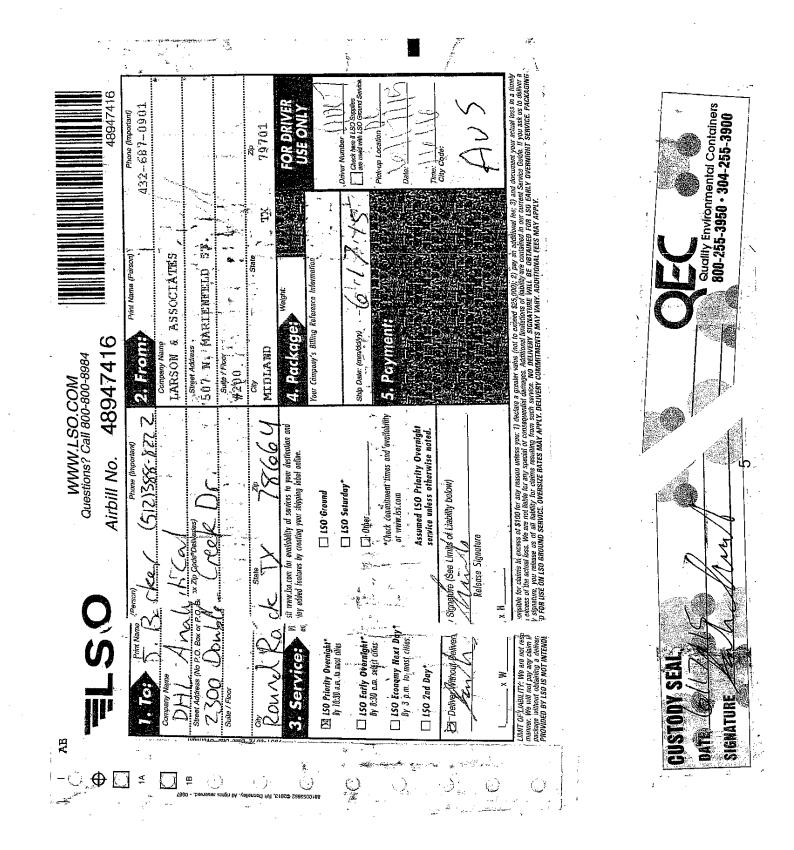
1

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Miscellaneous Documents	
CaseNarrative 1506216	
WorkOrderSampleSummary 1506216	
PrepDatesReport 1506216	
AnalyticalDatesReport 1506216	
Analytical Report 1506216	
AnalyticalQCSummaryReport 1506216	







	Sample	Receipt Check	klist			
Client Name Larson & Associates			Date Receiv	/ed: 6/1	8/2015	
Work Order Number 1506216			Received by	MB		
Checklist completed by:	216 6/18/201 Date		Reviewed by	nitiais	6/18/2015 Date	
	Carrier name	<u>LoneStar</u>				
Shipping container/cooler in good condition?		Yes 🗹	No 🗌	Not Present]	
Custody seals intact on shippping container/coo	oler?	Yes 🗹	No 🗔	Not Present]	
Custody seals intact on sample bottles?		Yes 🗌	No 🗌	Not Present	2	
Chain of custody present?		Yes 🗹	No 🗌			
Chain of custody signed when relinquished and	received?	Yes 🗹	No 🗌			
Chain of custody agrees with sample labels?		Yes 🗹	No 🗌			
Samples in proper container/bottle?		Yes 🗹	No 🗌			
Sample containers intact?		Yes 🗹	No 🗔			
Sufficient sample volume for indicated test?		Yes 🗹	No 🗌			
All samples received within holding time?		Yes 🗹	No 🗌			
Container/Temp Blank temperature in complian	ce?	Yes 🗹	No 🗌	2.8 ℃ ·		
Water - VOA vials have zero headspace?		Yes 🗌	No 🗌	No VOA vials sub	mitted 🗹	
Water - pH<2 acceptable upon receipt?		Yes 🗌	No 🗌	NA 🗹 LOT :	#	
		Adjusted?		Checked by_		
Water - ph>9 (S) or ph>12 (CN) acceptable upo	on receipt?	Yes	No 🗌	NA 🗹 🛛 LOT :	#	
		Adjusted?		Checked by_	· · · · · · · · · · · · · · · · · · ·	
Any No response must be detailed in the comm	ents section below.	·				_
Client contacted	Date contacted:	- <u> </u>	Pers	son contacted		-
Contacted by:	Regarding					
Comments:						
					-	
Corrective Action:						
					· · · · ·	
Page 1 of 1						

CLIENT:Larson & AssociatesProject:Chevron LandfarmLab Order:1506216

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method SW9014 - Cyanide Analysis Method SW9045D - pH of a Solid Analysis Method SW8082A - PCB Analysis Method SW8260C - Volatile Organics Analysis Method SW8270D - Semivolatile Organics Analysis (The compound 1-Methylnaphthalene is not NELAC Certified) Method E300 - Anions Analysis Method D2216 - Percent Moisture Analysis

LOG IN

The samples were received and log-in performed on 6/18/2015. A total of 7 samples were received and analyzed. The samples arrived in good condition and were properly packaged.

VOLATILES ORGANICS BY GC ANALYSIS

As per the TCEQ-NELAP accreditation requirement the following must be noted: The TCEQ remediation division guidance on the collection of soil for VOC analysis recommends but does not require the use of Method 5035. For analyses reported to the Texas Railroad Commission, bulk sampling is allowed. NELAP requires a note that if 5035 sampling method for VOCs is not utilized, the results of samples collected in bulk containers for low level volatile components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

For Volatiles Organics by GC Analysis, the recovery of surrogate Tetrachloroethene for the Matrix Spike Duplicate (1506216-07 MSD) was slightly below the method control limits. This is flagged accordingly in the QC Summary Report. No further corrective action was taken.

ANIONS ANALYSIS

For Anions Analysis, the recoveries of up to four anions for the Matrix Spike and Matrix Spike Duplicate (1506216-07 MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Repot. These anions were within method control limits in the associated LCS. No further corrective action was taken.

PCB ANALYSIS

For PCB Analysis, the recoveries of both surrogates for the LCS-710201, Method Blank-70201, Matrix

Page 1 of 2

CLIENT:	Larson & Associates
Project:	Chevron Landfarm
Lab Order:	1506216

CASE NARRATIVE

Spike and Matrix Spike Duplicate (1506216-03 MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. Additionally, the recovery of surrogate Tetrachloro-m-xylene for three samples was slightly above the method control limits. These were flagged in the Analytical Data Report. The remaining surrogate for these samples was within method control limits. No further corrective action was taken.

Page 2 of 2

CLIENT: Project: Lab Order:	Larson & Associates Chevron Landfarm 1506216		Work Order Sample	Summary
Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1506216-01	Cell 26		06/17/15 09:45 AM	6/18/2015
1506216-02	Cell 25		06/17/15 10:00 AM	6/18/2015
1506216-03	Cell 21		06/17/15 10:15 AM	6/18/2015
1506216-04	Cell 17		06/17/15 10:30 AM	6/18/2015
1506216-05	Cell 18		06/17/15 10:45 AM	6/18/2015
1506216-06	Cell 19		06/17/15 11:00 AM	6/18/2015
1506216-07	Cell 20		06/17/15 11:15 AM	6/18/2015

Date: 14-Jul-15

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I4-Jul-I5

Lab Order: Client:	1506216 Larson & Associates	ociates			PREP I	PREP DATES REPORT	L
rroject:			;	Ē	Ē		
Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1506216-01A	Cell 26	06/17/15 09:45 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
	Cell 26	06/17/15 09:45 AM	Soil	SW5030C	Purge and Trap Soils GC	06/23/15 01:42 PM	70173
	Cell 26	06/17/15 09:45 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 26	06/17/15 09:45 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
1506216-01B	Cell 26	06/17/15 09:45 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
	Cell 26	06/17/15 09:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 26	06/17/15 09:45 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 26	06/17/15 09:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 26	06/17/15 09:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 26	06/17/15 09:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 26	06/17/15 09:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 26	06/17/15 09:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
1506216-02A	Cell 25	06/17/15 10:00 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
	Cell 25	06/17/15 10:00 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 25	06/17/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
1506216-02B	Cell 25	06/17/15 10:00 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
	Cell 25	06/17/15 10:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 25	06/17/15 10:00 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 25	06/17/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 25	06/17/15 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 25	06/17/15 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 25	06/17/15 10:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
1506216-02C	Cell 25	06/17/15 10:00 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
1506216-02D	Cell 25	06/17/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: BNA	06/18/15 08:46 AM	70093
	Cell 25	06/17/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: PCB	06/25/15 08:36 AM	70201
1506216-02E	Cell 25	06/17/15 10:00 AM	Soil	SW9010C	Cyanide Soil Prep	06/25/15 09:35 AM	70208
	Cell 25	06/17/15 10:00 AM	Soil	SW9045C	pH Preparation	06/23/15 08:42 AM	70157
1506216-03A	Cell 21	06/17/15 10:15 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
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I ah Order:	1506216						
Client:	I arcon & Accoriates	riatec			PRF.P I	PREP DATES REPORT	
Project:	Chevron Landfarm	arm					
Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1506216-03A	Cell 21	06/17/15 10:15 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 21	06/17/15 10:15 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
1506216-03B	Cell 21	06/17/15 10:15 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
	Cell 21	06/17/15 10:15 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 21	06/17/15 10:15 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 21	06/17/15 10:15 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 21	06/17/15 10:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 21	06/17/15 10:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 21	06/17/15 10:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
1506216-03C	Cell 21	06/17/15 10:15 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
1506216-03D	Cell 21	06/17/15 10:15 AM	Soil	SW3550C	Soil Prep Sonication: BNA	06/18/15 08:46 AM	70093
	Cell 21	06/17/15 10:15 AM	Soil	SW3550C	Soil Prep Sonication: PCB	06/25/15 08:36 AM	70201
1506216-03E	Cell 21	06/17/15 10:15 AM	Soil	SW9010C	Cyanide Soil Prep	06/25/15 09:35 AM	70208
	Cell 21	06/17/15 10:15 AM	Soil	SW9045C	pH Preparation	06/23/15 08:42 AM	70157
1506216-04A	Cell 17	06/17/15 10:30 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
	Cell 17	06/17/15 10:30 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 17	06/17/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
1506216-04B	Cell 17	06/17/15 10:30 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
	Cell 17	06/17/15 10:30 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 17	06/17/15 10:30 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 17	06/17/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 17	06/17/15 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 17	06/17/15 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 17	06/17/15 10:30 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
1506216-04C	Cell 17	06/17/15 10:30 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
1506216-04D	Cell 17	06/17/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: BNA	06/18/15 08:46 AM	70093
	Cell 17	06/17/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: PCB	06/25/15 08:36 AM	70201
1506216-04E	Cell 17	06/17/15 10:30 AM	Soil	SW9010C	Cyanide Soil Prep	06/25/15 09:35 AM	70208
Page 2 of 4	of 4						

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Lab Order: Client: Project:	1506216 Larson & Associates Chevron Landfarm	ociates farm			PREP I	PREP DATES REPORT	—
Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1506216-04E	Cell 17	06/17/15 10:30 AM	Soil	SW9045C	pH Preparation	06/23/15 08:42 AM	70157
1506216-05A	Cell 18	06/17/15 10:45 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
	Cell 18	06/17/15 10:45 AM	Soil	SW5030C	Purge and Trap Soils GC	06/23/15 01:42 PM	70173
	Cell 18	06/17/15 10:45 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 18	06/17/15 10:45 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
1506216-05B	Cell 18	06/17/15 10:45 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
	Cell 18	06/17/15 10:45 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 18	06/17/15 10:45 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 18	06/17/15 10:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 18	06/17/15 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 18	06/17/15 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 18	06/17/15 10:45 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
1506216-06A	Cell 19	06/17/15 11:00 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
	Cell 19	06/17/15 11:00 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 19	06/17/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
1506216-06B	Cell 19	06/17/15 11:00 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
	Cell 19	06/17/15 11:00 AM	Soil	SW9010C	Cyanide Soil Prep	06/25/15 09:35 AM	70208
	Cell 19	06/17/15 11:00 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 19	06/17/15 11:00 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 19	06/17/15 11:00 AM	Soil	SW9045C	pH Preparation	06/23/15 08:42 AM	70157
	Cell 19	06/17/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 19	06/17/15 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 19	06/17/15 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 19	06/17/15 11:00 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
1506216-06C	Cell 19	06/17/15 11:00 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
1506216-06D	Cell 19	06/17/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: BNA	06/18/15 08:46 AM	70093
	Cell 19	06/17/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: PCB	06/25/15 08:36 AM	70201
1506216-07A	Cell 20	06/17/15 11:15 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223

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DHL Ani	DHL Analytical, Inc.					14-Jul-15
Lab Order: Client: Project:	1506216 Larson & Associates Chevron Landfarm	tiates			PREP D	PREP DATES REPORT
Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date
1506216-07A	Cell 20	06/17/15 11:15 AM	Soil	SW5030C	Purge and Trap Soils GC	06/23/15 01:42 PM
	Cell 20	06/17/15 11:15 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM
	Cell 20	06/17/15 11:15 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM
1506216-07B	Cell 20	06/17/15 11:15 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM
	Cell 20	06/17/15 11:15 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM
	Cell 20	06/17/15 11:15 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM
	Cell 20	06/17/15 11:15 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM
	Cell 20	06/17/15 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM

Batch ID

70173

70217 70211

70204 70154 70166 70179 70152 70152 70152

06/22/15 04:42 PM 06/22/15 04:42 PM

Soil Prep Total Metals: ICP-MS Soil Prep Total Metals: ICP-MS

SW3050B SW3050B

Soil Soil

06/17/15 11:15 AM 06/17/15 11:15 AM

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14-Jul-15

Lab Order:	1506216							
Client: Project:	Larson & Associates Chevron Landfarm	ates m			ANA	ALYTIC	ANALYTICAL DATES REPORT	REPORT
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1506216-01A	Cell 26	Soil	E300	Anions by IC method - Soil	70223	1	06/26/15 12:42 PM	$IC3_150626A$
	Cell 26	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 02:14 PM	$GC4_150625A$
	Cell 26	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$\rm IR207_{-}150625A$
	Cell 26	Soil	SW8021B	Volatile Organics by GC	70173	1	06/23/15 06:54 PM	$GC4_150623A$
1506216-01B	Cell 26	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	PMOIST_150623B
	Cell 26	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:02 AM	TITRATOR_150626A
	Cell 26	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:10 AM	$CETAC2_HG_150624$
	Cell 26	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 11:30 AM	GC15_150629A
	Cell 26	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 01:05 PM	$ICP-MS4_150629B$
	Cell 26	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	50	06/29/15 01:07 PM	$ICP-MS4_150629B$
	Cell 26	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	500	06/29/15 12:51 PM	ICP-MS4_150629B
	Cell 26	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/24/15 12:23 AM	ICP-MS3_150623A
1506216-02A	Cell 25	Soil	E300	Anions by IC method - Soil	70223	1	06/26/15 01:02 PM	$IC3_150626A$
	Cell 25	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 02:38 PM	GC4_150625A
	Cell 25	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$\mathrm{IR207}_{-150625\mathrm{A}}$
1506216-02B	Cell 25	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	PMOIST_150623B
	Cell 25	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:06 AM	TITRATOR_150626A
	Cell 25	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:13 AM	CETAC2_HG_150624 _A
	Cell 25	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 11:39 AM	GC15_150629A
	Cell 25	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/23/15 10:47 PM	ICP-MS3_150623A
	Cell 25	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 12:47 PM	$ICP-MS4_150629B$
	Cell 25	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	50	06/29/15 01:29 PM	ICP-MS4_150629B
1506216-02C	Cell 25	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 01:12 PM	GCMS2_150624A
1506216-02D	Cell 25	Soil	SW8082A	PCB by GC - Soil/Solid	70201	1	06/26/15 03:10 PM	GC16_150626A
	Cell 25	Soil	SW8270D	Semivolatiles by GC/MS - Soil	70093	1	06/19/15 08:10 PM	GCMS9_150619D
1506216-02E	Cell 25	Soil	SW9014	Cyanide - Solid Sample	70208	1	06/25/15 02:38 PM	UV/VIS_2_150625B
	Cell 25	Soil	SW9045D	pH of Solid (Corrosivity)	70157	1	06/23/15 04:30 PM	PH_150623A

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Lab Order:	1506216							
Client:		ites			ANA	UTYIC	ANALYTICAL DATES REPORT	REPORT
Project:	Chevron Landfarm	n						
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1506216-03A	Cell 21	Soil	E300	Anions by IC method - Soil	70223	1	06/26/15 01:23 PM	IC3_150626A
	Cell 21	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 03:02 PM	$GC4_150625A$
	Cell 21	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$\rm IR207_{-}150625A$
1506216-03B	Cell 21	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	$PMOIST_150623B$
	Cell 21	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:09 AM	TITRATOR_150626A
	Cell 21	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:15 AM	$CETAC2_HG_150624$
	Cell 21	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 11:48 AM	GC15_150629A
	Cell 21	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/24/15 12:29 AM	ICP-MS3_150623A
	Cell 21	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 12:53 PM	ICP-MS4_150629B
	Cell 21	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	50	06/29/15 01:33 PM	ICP-MS4_150629B
1506216-03C	Cell 21	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 01:41 PM	GCMS2_150624A
1506216-03D	Cell 21	Soil	SW8082A	PCB by GC - Soil/Solid	70201	1	06/26/15 03:35 PM	$GC16_{-}150626A$
	Cell 21	Soil	SW8270D	Semivolatiles by GC/MS - Soil	70093	1	06/19/15 08:33 PM	$GCMS9_150619D$
1506216-03E	Cell 21	Soil	SW9014	Cyanide - Solid Sample	70208	1	06/25/15 02:38 PM	UV/VIS_2_150625B
	Cell 21	Soil	SW9045D	pH of Solid (Corrosivity)	70157	1	06/23/15 04:30 PM	$\mathrm{PH}_{-150623A}$
1506216-04A	Cell 17	Soil	E300	Amons by IC method - Soil	70223	1	06/26/15 01:44 PM	IC3_150626A
	Cell 17	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 03:26 PM	$GC4_150625A$
	Cell 17	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$\rm IR207_{-}150625A$
1506216-04B	Cell 17	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	$PMOIST_150623B$
	Cell 17	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:13 AM	TITRATOR_150626A
	Cell 17	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:17 AM	CETAC2_HG_150624 A
	Cell 17	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 11:57 AM	GC15_150629A
	Cell 17	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/24/15 12:35 AM	ICP-MS3_150623A
	Cell 17	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 12:55 PM	$ICP-MS4_150629B$
	Cell 17	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	500	06/29/15 01:35 PM	$ICP-MS4_150629B$
1506216-04C	Cell 17	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 02:10 PM	GCMS2_150624A
1506216-04D	Cell 17	Soil	SW8082A	PCB by GC - Soil/Solid	70201	1	06/26/15 04:01 PM	$GC16_{-}150626A$

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Lab Order:	1506216							
Client: Project:	Larson & Associates Chevron Landfarm	les 1			ANA	ALYTIC	ANALYTICAL DATES REPORT	REPORT
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1506216-04D	Cell 17	Soil	SW8270D	Semivolatiles by GC/MS - Soil	70093	1	06/19/15 08:56 PM	GCMS9_150619D
1506216-04E	Cell 17	Soil	SW9014	Cyanide - Solid Sample	70208	1	06/25/15 02:39 PM	UV/VIS_2_150625B
	Cell 17	Soil	SW9045D	pH of Solid (Corrosivity)	70157	1	06/23/15 04:30 PM	$PH_{150623A}$
1506216-05A	Cell 18	Soil	E300	Anions by IC method - Soil	70223	1	06/26/15 02:04 PM	IC3_150626A
	Cell 18	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 03:50 PM	$GC4_150625A$
	Cell 18	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$\mathrm{IR207}_{-150625\mathrm{A}}$
	Cell 18	Soil	SW8021B	Volatile Organics by GC	70173	1	06/23/15 07:18 PM	$GC4_150623A$
1506216-05B	Cell 18	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	PMOIST_150623B
	Cell 18	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:15 AM	TITRATOR_150626A
	Cell 18	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:19 AM	$CETAC2_HG_150624$
	Cell 18	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 12:06 PM	$GC15_150629A$
	Cell 18	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/24/15 12:41 AM	ICP-MS3_150623A
	Cell 18	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 12:57 PM	ICP-MS4_150629B
	Cell 18	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	500	06/29/15 01:37 PM	ICP-MS4_150629B
1506216-06A	Cell 19	Soil	E300	Anions by IC method - Soil	70223	1	06/26/15 02:25 PM	IC3_150626A
	Cell 19	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 04:15 PM	GC4_150625A
	Cell 19	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$\rm IR207_150625A$
1506216-06B	Cell 19	Soil	SW9014	Cyanide - Solid Sample	70208	1	06/25/15 02:39 PM	UV/VIS_2_150625B
	Cell 19	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	PMOIST_150623B
	Cell 19	Soil	SW9045D	pH of Solid (Corrosivity)	70157	1	06/23/15 04:30 PM	$PH_{-}150623A$
	Cell 19	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:17 AM	TITRATOR_150626A
	Cell 19	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:22 AM	CETAC2_HG_150624 A
	Cell 19	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 12:33 PM	GC15_150629A
	Cell 19	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/24/15 12:47 AM	ICP-MS3_150623A
	Cell 19	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 12:59 PM	ICP-MS4_150629B
	Cell 19	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	500	06/29/15 01:39 PM	ICP-MS4_150629B
1506216-060	Cell 10	01	UUD COIND	8260 Soil Volatiles by GCMS	20106	-	Ma 00.00 21/PC/20	

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Lab Order: Client: Project:	1506216 Larson & Associates Chevron Landfarm	S			AN	ALYTIC	ANALYTICAL DATES REPORT	REPORT
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1506216-06D	Cell 19	Soil	SW8082A	PCB by GC - Soil/Solid	70201	1	06/26/15 04:26 PM	GC16_150626A
	Cell 19	Soil	SW8270D	Semivolatiles by GC/MS - Soil	70093	1	06/19/15 09:19 PM	GCMS9_150619D
1506216-07A	Cell 20	Soil	E300	Anions by IC method - Soil	70223	1	06/26/15 02:45 PM	IC3_150626A
	Cell 20	Soil	M8015V	TPH Purgeable by GC - Soil	70211	1	06/25/15 04:39 PM	GC4_150625A
	Cell 20	Soil	E418.1	TRPH	70217	1	06/25/15 03:50 PM	$IR207_{-}150625A$
	Cell 20	Soil	SW8021B	Volatile Organics by GC	70173	1	06/23/15 07:43 PM	GC4_150623A
1506216-07B	Cell 20	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	PMOIST_150623B
	Cell 20	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:22 AM	TITRATOR_150626A
	Cell 20	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:24 AM	CETAC2_HG_150624 _A
	Cell 20	Soil	M8015D	TPH Extractable by GC - Soil	70179	1	06/29/15 12:42 PM	GC15_150629A
	Cell 20	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	500	06/29/15 01:41 PM	ICP-MS4_150629B
	Cell 20	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/24/15 12:53 AM	ICP-MS3_150623A
	Cell 20	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	5	06/29/15 01:01 PM	ICP-MS4 150629B

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Date: 14-Jul-15

CLIENT:	Larson & Associates			Cli	ent Samj	ple ID: Cell 2:	5	
Project:	Chevron Landfarm				L	ab ID: 15062	16-02	
Project No:	6-0137			C	ollection	Date: 06/17/	15 10:00	АМ
Lab Order:	1506216			C		fatrix: SOIL	10 10.00 1	
	1500210		MDI	DI			DE	
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - S	OIL/SOLID		SW80					Analyst: KL
Aroclor 1016		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Aroclor 1221		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Aroclor 1232		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Aroclor 1242		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Aroclor 1248		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Aroclor 1254		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Aroclor 1260		ND	0.0537	0.107		mg/Kg-dry	1	06/26/15 03:10 PM
Surr: Decach		122	0	58-125		%REC	1	06/26/15 03:10 PM
Surr: Tetrach	loro-m-xylene	125	0	40-130		%REC	1	06/26/15 03:10 PM
SEMIVOLATILE	ES BY GC/MS - SOIL		SW82	70D				Analyst: DEW
1-Methylnaphtha	alene	ND	0.0113	0.0300	Ν	mg/Kg-dry	1	06/19/15 08:10 PM
2-Methylnaphtha	alene	ND	0.0113	0.0300		mg/Kg-dry	1	06/19/15 08:10 PM
Benzo[a]pyrene		ND	0.0226	0.0300		mg/Kg-dry	1	06/19/15 08:10 PM
Naphthalene		ND	0.0113	0.0300		mg/Kg-dry	1	06/19/15 08:10 PM
Total Phenol (C	alculated)	ND	0.0113	0.0300		mg/Kg-dry	1	06/19/15 08:10 PM
Surr: 2,4,6-Tr	ribromophenol	83.0	0	45-126		%REC	1	06/19/15 08:10 PM
Surr: 2-Fluor	obiphenyl	85.0	0	60-125		%REC	1	06/19/15 08:10 PM
Surr: 2-Fluor	ophenol	70.0	0	37-125		%REC	1	06/19/15 08:10 PM
Surr: 4-Terph	enyl-d14	92.0	0	45-125		%REC	1	06/19/15 08:10 PM
Surr: Nitrober	nzene-d5	98.0	0	45-125		%REC	1	06/19/15 08:10 PM
Surr: Phenol-	d5	98.0	0	40-125		%REC	1	06/19/15 08:10 PM
8260 SOIL VOL	ATILES BY GC/MS		SW82	60C				Analyst: SW
1,1,1-Trichloroe	thane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1,2,2-Tetrachl	loroethane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PN
1,1,2,2-Tetrachl	loroethylene (PCE)	ND	0.00223	0.00557		mg/Kg-dry	1	06/24/15 01:12 PN
1,1,2-Trichloroe	thane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PN
1,1,2-Trichloroe	thylene (TCE)	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1-Dichloroetha		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1-Dichloroethy	ylene	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,2-Dichloroetha	ane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Benzene		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Carbon tetrachle	oride	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Chloroform		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Ethylbenzene		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Ethylene dibrom	nide (EDB)	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Methylene chlor		ND	0.00557	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Toluene		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM

* **Qualifiers:** Value exceeds TCLP Maximum Concentration Level С

Sample Result or QC discussed in the Case Narrative

- Е TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit

Parameter not NELAC certified Ν

В Analyte detected in the associated Method Blank

DF **Dilution Factor**

J Analyte detected between MDL and RL

Not Detected at the Method Detection Limit ND

S Spike Recovery outside control limits

Page 1 of 8

Date: 14-Jul-15

	yucai, mc.							
CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 25		
Project:	Chevron Landfarm				L	ab ID: 1506216-	-02	
Project No:	6-0137			C	ollection	n Date: 06/17/15	10:00	AM
Lab Order:	1506216				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOL	ATILES BY GC/MS		SW82	260C				Analyst: SW
Vinyl chloride		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Total Xylenes		ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Surr: 1,2-Dicl	hloroethane-d4	113	0	52-149		%REC	1	06/24/15 01:12 PM
Surr: 4-Brom	ofluorobenzene	104	0	84-118		%REC	1	06/24/15 01:12 PM
Surr: Dibrom	ofluoromethane	109	0	65-135		%REC	1	06/24/15 01:12 PM
Surr: Toluene	e-d8	98.9	0	84-116		%REC	1	06/24/15 01:12 PM
CYANIDE - SO	LID SAMPLE		SW9	014				Analyst: JL
Cyanide, Amen	able to Chlorination	ND	0.211	0.528		mg/Kg-dry	1	06/25/15 02:38 PM
Cyanide, Total		ND	0.211	0.528		mg/Kg-dry	1	06/25/15 02:38 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		ND	5.08	5.08		mg/Kg-dry	1	06/26/15 01:02 PM
Fluoride		3.71	1.02	1.02		mg/Kg-dry	1	06/26/15 01:02 PM
Nitrate-N		10.9	5.08	5.08		mg/Kg-dry	1	06/26/15 01:02 PM
Sulfate		51.4	10.2	10.2		mg/Kg-dry	1	06/26/15 01:02 PM
PH OF SOLID (CORROSIVITY)		SW90	45D				Analyst: PT
рН		7.77	0	0		pH Units@21.3°C	1	06/23/15 04:30 PM
PERCENT MOI	STURE		D22	16				Analyst: JL
Percent Moistur	e	12.3	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

Date: 14-Jul-15

CLIENT:	Larson & Associates			Cli	ent Samj	ple ID: Cell 2	1	
Project:	Chevron Landfarm				L	ab ID: 15062	16-03	
Project No:	6-0137			С	ollectior	Date: 06/17/	15 10:15	AM
Lab Order:	1506216			-		Aatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - S			SW80					Analyst: KL
Aroclor 1016		ND	0.0534	02A 0.107		mg/Kg-dry	1	06/26/15 03:35 PN
Aroclor 1221		ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PM
Aroclor 1232		ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PN
Aroclor 1242		ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PN
Aroclor 1248		ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PN
Aroclor 1254		ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PN
Aroclor 1260		ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PN
Surr: Decach	lorobiphenyl	124	0	58-125		%REC	1	06/26/15 03:35 PM
Surr: Tetrach		131	0	40-130	S	%REC	1	06/26/15 03:35 PM
SEMIVOLATILE	ES BY GC/MS - SOIL		SW82	70D				Analyst: DEW
1-Methylnaphtha	alene	ND	0.0110	0.0292	Ν	mg/Kg-dry	1	06/19/15 08:33 PM
2-Methylnaphtha	alene	ND	0.0110	0.0292		mg/Kg-dry	1	06/19/15 08:33 PM
Benzo[a]pyrene		ND	0.0220	0.0292		mg/Kg-dry	1	06/19/15 08:33 PM
Naphthalene		ND	0.0110	0.0292		mg/Kg-dry	1	06/19/15 08:33 PM
Total Phenol (C	alculated)	ND	0.0110	0.0292		mg/Kg-dry	1	06/19/15 08:33 PM
Surr: 2,4,6-Tr	ibromophenol	80.0	0	45-126		%REC	1	06/19/15 08:33 PM
Surr: 2-Fluoro	obiphenyl	82.0	0	60-125		%REC	1	06/19/15 08:33 PN
Surr: 2-Fluoro	ophenol	82.0	0	37-125		%REC	1	06/19/15 08:33 PN
Surr: 4-Terph	enyl-d14	88.0	0	45-125		%REC	1	06/19/15 08:33 PN
Surr: Nitrober	nzene-d5	93.0	0	45-125		%REC	1	06/19/15 08:33 PM
Surr: Phenol-	d5	92.0	0	40-125		%REC	1	06/19/15 08:33 PM
3260 SOIL VOL	ATILES BY GC/MS		SW82	60C				Analyst: SW
1,1,1-Trichloroe	thane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2,2-Tetrachl	oroethane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2,2-Tetrachl	oroethylene (PCE)	ND	0.00199	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2-Trichloroe	thane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2-Trichloroe	thylene (TCE)	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1-Dichloroetha	ane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1-Dichloroethy	ylene	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,2-Dichloroetha	ane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Benzene		ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Carbon tetrachle	oride	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Chloroform		ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Ethylbenzene		ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Ethylene dibrom	nide (EDB)	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Methylene chlor	ide	ND	0.00498	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Toluene		ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM

* **Qualifiers:** Value exceeds TCLP Maximum Concentration Level С

Sample Result or QC discussed in the Case Narrative

- Е TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit

Parameter not NELAC certified Ν

В Analyte detected in the associated Method Blank

DF **Dilution Factor**

J Analyte detected between MDL and RL

Not Detected at the Method Detection Limit ND

S Spike Recovery outside control limits

Page 3 of 8

Date: 14-Jul-15

	y iicai, iiic.							
CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 21		
Project:	Chevron Landfarm				L	ab ID: 1506216-	-03	
Project No:	6-0137			C	ollection	Date: 06/17/15	10:15	AM
Lab Order:	1506216				Ν	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOL	ATILES BY GC/MS		SW82	260C				Analyst: SW
Vinyl chloride		ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Total Xylenes		ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Surr: 1,2-Dic	hloroethane-d4	112	0	52-149		%REC	1	06/24/15 01:41 PM
Surr: 4-Brom	ofluorobenzene	104	0	84-118		%REC	1	06/24/15 01:41 PM
Surr: Dibrom	ofluoromethane	109	0	65-135		%REC	1	06/24/15 01:41 PM
Surr: Toluene	e-d8	99.9	0	84-116		%REC	1	06/24/15 01:41 PM
CYANIDE - SO	LID SAMPLE		SW9	014				Analyst: JL
Cyanide, Amen	able to Chlorination	ND	0.210	0.525		mg/Kg-dry	1	06/25/15 02:38 PM
Cyanide, Total		ND	0.210	0.525		mg/Kg-dry	1	06/25/15 02:38 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		ND	5.14	5.14		mg/Kg-dry	1	06/26/15 01:23 PM
Fluoride		2.11	1.03	1.03		mg/Kg-dry	1	06/26/15 01:23 PM
Nitrate-N		10.9	5.14	5.14		mg/Kg-dry	1	06/26/15 01:23 PM
Sulfate		86.7	10.3	10.3		mg/Kg-dry	1	06/26/15 01:23 PM
PH OF SOLID ((CORROSIVITY)		SW90	45D				Analyst: PT
рН		8.01	0	0		pH Units@21.1°C	1	06/23/15 04:30 PM
PERCENT MOI	STURE		D22	16				Analyst: JL
Percent Moistur	re	11.0	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

Date: 14-Jul-15

CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 1	7	
	Chevron Landfarm				-	ab ID: 15062		
Project:								
Project No:	6-0137			C		Date: 06/17/	15 10:30	AM
Lab Order:	1506216				N	fatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - S	OIL/SOLID		SW80	82A				Analyst: KL
Aroclor 1016		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PM
Aroclor 1221		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PN
Aroclor 1232		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PN
Aroclor 1242		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PM
Aroclor 1248		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PM
Aroclor 1254		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PM
Aroclor 1260		ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PM
Surr: Decachl	lorobiphenyl	117	0	58-125		%REC	1	06/26/15 04:01 PM
Surr: Tetrachl	oro-m-xylene	133	0	40-130	S	%REC	1	06/26/15 04:01 PM
SEMIVOLATILE	S BY GC/MS - SOIL		SW82	70D				Analyst: DEW
1-Methylnaphtha	alene	ND	0.0105	0.0279	Ν	mg/Kg-dry	1	06/19/15 08:56 PM
2-Methylnaphtha	alene	ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PN
Benzo[a]pyrene		ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PN
Naphthalene		ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PN
Total Phenol (Ca	alculated)	ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PN
Surr: 2,4,6-Tr	ibromophenol	82.0	0	45-126		%REC	1	06/19/15 08:56 PN
Surr: 2-Fluoro	biphenyl	87.0	0	60-125		%REC	1	06/19/15 08:56 PN
Surr: 2-Fluoro	phenol	86.0	0	37-125		%REC	1	06/19/15 08:56 PN
Surr: 4-Terph	enyl-d14	85.0	0	45-125		%REC	1	06/19/15 08:56 PN
Surr: Nitrober	nzene-d5	80.0	0	45-125		%REC	1	06/19/15 08:56 PN
Surr: Phenol-	d5	91.0	0	40-125		%REC	1	06/19/15 08:56 PM
3260 SOIL VOL	ATILES BY GC/MS		SW82	60C				Analyst: SW
1,1,1-Trichloroet	thane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2,2-Tetrachle	oroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2,2-Tetrachle	oroethylene (PCE)	ND	0.00209	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2-Trichloroet	thane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2-Trichloroet	thylene (TCE)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1-Dichloroetha		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1-Dichloroethy	lene	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,2-Dichloroetha	ane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Benzene		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Carbon tetrachlo	oride	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Chloroform		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PN
Ethylbenzene		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PN
Ethylene dibrom	ide (EDB)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Methylene chlori		ND	0.00522	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Toluene		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM

 Qualifiers:
 *
 Value exceeds TCLP Maximum Concentration Level

 C
 Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank

DF Dilution Factor

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

Page 5 of 8

Date: 14-Jul-15

	ytical, me.							
CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 17		
Project:	Chevron Landfarm				L	ab ID: 1506216-	-04	
Project No:	6-0137			C	ollection	Date: 06/17/15	10:30	AM
Lab Order:	1506216				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOL	ATILES BY GC/MS		SW82	260C				Analyst: SW
Vinyl chloride		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Total Xylenes		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Surr: 1,2-Dich	nloroethane-d4	108	0	52-149		%REC	1	06/24/15 02:10 PM
Surr: 4-Bromo	ofluorobenzene	105	0	84-118		%REC	1	06/24/15 02:10 PM
Surr: Dibromo	ofluoromethane	108	0	65-135		%REC	1	06/24/15 02:10 PM
Surr: Toluene	e-d8	100	0	84-116		%REC	1	06/24/15 02:10 PM
CYANIDE - SOL	LID SAMPLE		SW9	014				Analyst: JL
Cyanide, Amena	able to Chlorination	ND	0.218	0.545		mg/Kg-dry	1	06/25/15 02:39 PM
Cyanide, Total		ND	0.218	0.545		mg/Kg-dry	1	06/25/15 02:39 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		ND	5.17	5.17		mg/Kg-dry	1	06/26/15 01:44 PM
Fluoride		4.70	1.03	1.03		mg/Kg-dry	1	06/26/15 01:44 PM
Nitrate-N		17.2	5.17	5.17		mg/Kg-dry	1	06/26/15 01:44 PM
Sulfate		50.5	10.3	10.3		mg/Kg-dry	1	06/26/15 01:44 PM
PH OF SOLID (CORROSIVITY)		SW90	45D				Analyst: PT
рН		8.56	0	0		pH Units@21.1°C	1	06/23/15 04:30 PM
PERCENT MOI	STURE		D22	16				Analyst: JL
Percent Moistur	e	9.57	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

Date: 14-Jul-15

	yucai, mc.							
CLIENT:	Larson & Associates			Cli	ent Samj	ple ID: Cell 1	9	
Project:	Chevron Landfarm				L	ab ID: 15062	16-06	
Project No:	6-0137			C	ollectior	Date: 06/17/	15 11:00	AM
Lab Order:	1506216				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - S	OIL/SOLID		SW80	82A				Analyst: KL
Aroclor 1016		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PM
Aroclor 1221		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PN
Aroclor 1232		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PN
Aroclor 1242		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PN
Aroclor 1248		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PM
Aroclor 1254		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PM
Aroclor 1260		ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PM
Surr: Decach	lorobiphenyl	123	0	58-125		%REC	1	06/26/15 04:26 PM
Surr: Tetrach	loro-m-xylene	132	0	40-130	S	%REC	1	06/26/15 04:26 PM
SEMIVOLATILE	ES BY GC/MS - SOIL		SW82	70D				Analyst: DEW
1-Methylnaphth	alene	ND	0.0111	0.0296	Ν	mg/Kg-dry	1	06/19/15 09:19 PN
2-Methylnaphth	alene	ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PN
Benzo[a]pyrene		ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PN
Naphthalene		ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PN
Total Phenol (C	alculated)	ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PN
Surr: 2,4,6-Tı	ribromophenol	75.0	0	45-126		%REC	1	06/19/15 09:19 PN
Surr: 2-Fluor	obiphenyl	78.0	0	60-125		%REC	1	06/19/15 09:19 PN
Surr: 2-Fluor	ophenol	73.0	0	37-125		%REC	1	06/19/15 09:19 PN
Surr: 4-Terph	enyl-d14	96.0	0	45-125		%REC	1	06/19/15 09:19 PM
Surr: Nitrober	nzene-d5	81.0	0	45-125		%REC	1	06/19/15 09:19 PN
Surr: Phenol-	d5	89.0	0	40-125		%REC	1	06/19/15 09:19 PM
3260 SOIL VOL	ATILES BY GC/MS		SW82	60C				Analyst: SW
1,1,1-Trichloroe	thane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PN
1,1,2,2-Tetrachl	loroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2,2-Tetrachl	loroethylene (PCE)	ND	0.00209	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2-Trichloroe	thane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2-Trichloroe	thylene (TCE)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1-Dichloroetha		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1-Dichloroethy	ylene	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PN
1,2-Dichloroetha	ane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Benzene		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Carbon tetrachle	oride	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PN
Chloroform		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Ethylbenzene		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
	Ethylene dibromide (EDB)		0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Methylene chlor		ND ND	0.00522	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Toluene		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PN

 Qualifiers:
 *
 Value exceeds TCLP Maximum Concentration Level

 C
 Sample Result or QC discussed in the Case Narrative

- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank

DF Dilution Factor

J Analyte detected between MDL and RL

ND Not Detected at the Method Detection Limit

S Spike Recovery outside control limits

Page 7 of 8

Date: 14-Jul-15

	ytical, Inc.							
CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 19		
Project:	Chevron Landfarm				L	ab ID: 1506216-	-06	
Project No:	6-0137			C	ollection	Date: 06/17/15	11:00	AM
Lab Order:	1506216				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOL	ATILES BY GC/MS		SW82	260C				Analyst: SW
Vinyl chloride		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Total Xylenes		ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Surr: 1,2-Dicl	hloroethane-d4	112	0	52-149		%REC	1	06/24/15 02:39 PM
Surr: 4-Brom	ofluorobenzene	103	0	84-118		%REC	1	06/24/15 02:39 PM
Surr: Dibrom	ofluoromethane	110	0	65-135		%REC	1	06/24/15 02:39 PM
Surr: Toluene	e-d8	99.2	0	84-116		%REC	1	06/24/15 02:39 PM
CYANIDE - SOI	LID SAMPLE		SW9	014				Analyst: JL
Cyanide, Amen	able to Chlorination	ND	0.221	0.553		mg/Kg-dry	1	06/25/15 02:39 PM
Cyanide, Total		ND	0.221	0.553		mg/Kg-dry	1	06/25/15 02:39 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV
Chloride		19.6	5.20	5.20		mg/Kg-dry	1	06/26/15 02:25 PM
Fluoride		1.35	1.04	1.04		mg/Kg-dry	1	06/26/15 02:25 PM
Nitrate-N		13.3	5.20	5.20		mg/Kg-dry	1	06/26/15 02:25 PM
Sulfate		194	10.4	10.4		mg/Kg-dry	1	06/26/15 02:25 PM
PH OF SOLID (CORROSIVITY)		SW90	45D				Analyst: PT
рН		8.24	0	0		pH Units@20.8°C	1	06/23/15 04:30 PM
PERCENT MOI	STURE		D22	16				Analyst: JL
Percent Moistur	e	11.4	0	0		WT%	1	06/24/15 11:00 AN

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

CLIENT: Larson & Associates ANALYTICAL QC SUMMARY REPORT Work Order: 1506216 **RunID**: GC15 150629A **Project:** Chevron Landfarm The QC data in batch 70179 applies to the following samples: 1506216-01B, 1506216-02B, 1506216-03B, 1506216-04B, 1506216-05B, 1506216-06B, 1506216-07B Sample ID MB-70179 Batch ID: 70179 TestNo: M8015D Units: mg/Kg SampType: MBLK Run ID: GC15_150629A Analysis Date: 6/29/2015 11:12:46 AM Prep Date: 6/24/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual TPH-DRO C10-C28 ND 10.0 Surr: Isopropylbenzene 5.23 7.500 69.7 47 142 Surr: Octacosane 5.99 7.500 79.9 162 25 M8015D Sample ID LCS-70179 Batch ID: 70179 Units: TestNo: mg/Kg GC15_150629A Analysis Date: 6/29/2015 11:21:45 AM SampType: LCS Run ID: Prep Date: 6/24/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual TPH-DRO C10-C28 87.4 10.0 125.0 0 69.9 50 114 7.500 80.1 Surr: Isopropylbenzene 6.01 47 142 Surr: Octacosane 5.70 7.500 162 76.0 25 Sample ID 1506216-05BMS Batch ID: 70179 TestNo: M8015D Units: mg/Kg-dry SampType: MS Run ID: GC15 150629A Analysis Date: 6/29/2015 12:15:36 PM Prep Date: 6/24/2015 SPK value Ref Val LowLimit HighLimit %RPD RPDLimit Qual Result RL %REC Analyte TPH-DRO C10-C28 98.8 12.7 158.5 0 62.4 50 114 Surr: Isopropylbenzene 5.67 9.507 59.7 47 142 6.78 Surr: Octacosane 9.507 71.4 25 162 Sample ID 1506216-05BMSD Batch ID: 70179 TestNo: M8015D Units: mg/Kg-dry SampType: MSD Run ID: GC15_150629A Analysis Date: 6/29/2015 12:24:34 PM Prep Date: 6/24/2015 Analyte LowLimit HighLimit %RPD RPDLimit Qual Result RL SPK value Ref Val %REC TPH-DRO C10-C28 90.3 147.0 0 61.4 11.8 50 114 9.00 30 Surr: Isopropylbenzene 5.49 8.823 62.2 47 142 0 0 Surr: Octacosane 8.823 69.8 25 0 0 6.16 162

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 1 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Larson & Associates Work Order: 1506216

ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

RunID: GC15_150629A

Sample ID ICV-150629	Batch ID:	R80341		TestNo	M80	15D		Units:	mg/Kg
SampType: ICV	Run ID:	GC15_1	50629A	Analysi	s Date: 6/29	/2015 10:50):03 AM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		439	10.0	500.0	0	87.8	80	120	
Surr: Isopropylbenzene		28.6		25.00		114	80	120	
Surr: Octacosane		25.6		25.00		102	80	120	
Sample ID CCV1-150629	Batch ID:	R80341		TestNo	M80	15D		Units:	mg/Kg
SampType: ССV	Run ID:	GC15_1	50629A	Analysi	s Date: 6/29	/2015 1:05:	04 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit Qual
Analyte TPH-DRO C10-C28		Result 219	RL 10.0	SPK value 250.0	Ref Val	%REC 87.4	LowLimit 80	HighLimit 120	%RPD RPDLimit Qual
,								0	%RPD RPDLimit Qual

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 2 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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	arson & 1 506216	Associates	5		AN	ALYT	ICAL (QC SI	JMMAR	RY REPO)RT
	hevron L	andfarm					RunII	D: (GC16 1500	526A	
The QC data in batch 7			ollowing s	amples: 1506	216-02D, 1506	216-03D, 15	06216-04D,		-		
Sample ID LCS-7020	1	Batch ID:	70201		TestNo	: SW 8	3082A		Units:	mg/Kg	
SampType: LCS		Run ID:	GC16_	150626A	Analys	s Date: 6/26	/2015 1:54:	25 PM	Prep Date:	6/25/2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLim	nit Qual
Aroclor 1016			0.887	0.100	1.000	0	88.7	41	138		
Aroclor 1260			0.903	0.100	1.000	0	90.3	61	131		
Surr: Decachlorobiph			0.127		0.1000		127	58	125		S
Surr: Tetrachloro-m-	xylene		0.135		0.1000		135	40	130		S
Sample ID MB-70201		Batch ID:	70201		TestNo	: SW 8	3082A		Units:	mg/Kg	
SampType: MBLK		Run ID:	GC16_	150626A	Analys	s Date: 6/26	/2015 2:45:	08 PM	Prep Date:	6/25/2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLim	nit Qual
Aroclor 1016			ND	0.100							
Aroclor 1221			ND	0.100							
Aroclor 1232			ND	0.100							
Aroclor 1242			ND	0.100							
Aroclor 1248			ND	0.100							
Aroclor 1254			ND	0.100							
Aroclor 1260			ND	0.100							_
Surr: Decachlorobiph	•		0.131		0.1000		131	58	125		S
Surr: Tetrachloro-m-	xylene		0.140		0.1000		140	40	130		S
Sample ID 1506216-0	3DMS	Batch ID:	70201		TestNo	: SW 8	3082A		Units:	mg/Kg-dry	
SampType: MS		Run ID:	GC16_	150626A	Analys	s Date: 6/26	/2015 8:15:	25 PM	Prep Date:	6/25/2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLim	nit Qual
Aroclor 1016			0.909	0.109	1.092	0	83.2	41	138		
Aroclor 1260			0.892	0.109	1.092	0	81.7	61	131		
Surr: Decachlorobiph	nenyl		0.141		0.1092		129	58	125		S
Surr: Tetrachloro-m-	xylene		0.144		0.1092		132	40	130		S
Sample ID 1506216-0	3DMSD	Batch ID:	70201		TestNo	: SW 8	3082A		Units:	mg/Kg-dry	
SampType: MSD		Run ID:	GC16_	150626A	Analys	s Date: 6/26	/2015 8:40:	47 PM	Prep Date:	6/25/2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLim	nit Qual
Aroclor 1016			0.972	0.110	1.103	0	88.2	41	138	6.71 50	
Aroclor 1260			0.956	0.110	1.103	0	86.7	61	131	6.90 50	
Surr: Decachlorobiph	nenyl		0.139		0.1103		126	58	125	0	S
Surr: Tetrachloro-m-	xylene		0.151		0.1103		137	40	130	0	S

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 3 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Larson & Associates ANALYTICA Work Order: 1506216 ANALYTICA Project: Chevron Landfarm F

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_150626A

Sample ID ICV-150626	Batch ID:	R80329		TestNo	: SW8	3082A		Units:	mg/Kg
SampType: ICV	Run ID:	GC16_1	150626A	Analys	is Date: 6/26	/2015 1:29:	00 PM	Prep Date	2
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit Qual
Aroclor 1016		1.87	0.100	2.000	0	93.4	80	120	
Aroclor 1260		1.89	0.100	2.000	0	94.6	80	120	
Surr: Decachlorobiphenyl		0.177		0.2000		88.4	58	125	
Surr: Tetrachloro-m-xylene		0.195		0.2000		97.6	40	130	
Sample ID CCV1-150626	Batch ID:	R80329		TestNo	: SW8	3082A		Units:	mg/Kg
SampType: ССV	Run ID:	GC16_1	150626A	Analys	is Date: 6/26	/2015 9:06:	07 PM	Prep Date	9:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLimit Qual
Aroclor 1016		1.06	0.100	1.000	0	106	80	120	
Aroclor 1260		1.04	0.100	1.000	0	104	80	120	
Surr: Decachlorobiphenyl		0.0973		0.1000		97.3	58	125	
Surr: Tetrachloro-m-xylene		0.106		0.1000		106	40	130	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 4 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Work Order:	Larson & 1506216	Associate	S		AN	ALYT	ICAL (QC SU	JMMAF	RY RI	EPO	RT
Project:	Chevron I	Landfarm					RunIl	D: (GC4_15062	23A		
The QC data in ba	tch 70173 app	lies to the	following s	amples: 1506	216-01A, 1506	216-05A, 15	506216-07A					
Sample ID LCS-7	70173	Batch ID:	70173		TestNo	: SW	8021B		Units:	mg/Kg	I	
SampType: LCS		Run ID:	GC4_1	50623A	Analys	is Date: 6/23	3/2015 2:20:	08 PM	Prep Date:	6/23/2	015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit	Qual
Benzene			0.0855	0.00500	0.1000	0	85.5	65	113			
Toluene			0.0897	0.0150	0.1000	0	89.7	73	115			
Ethylbenzene			0.0896	0.0150	0.1000	0	89.6	74	118			
Xylenes, Total			0.274	0.0150	0.3000	0	91.4	73	119			
Surr: Tetrachlor	pethene		0.172		0.2000		85.8	79	135			
Sample ID MB-70	0173	Batch ID:	70173		TestNo	: SW	8021B		Units:	mg/Kg	l	
SampType: MBL#	ζ.	Run ID:	GC4_1	50623A	Analys	is Date: 6/23	3/2015 3:34:	25 PM	Prep Date:	6/23/2	015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit	Qual
Benzene			ND	0.00500								
Toluene			ND	0.0150								
Ethylbenzene			ND	0.0150								
Xylenes, Total			ND	0.0150								
Surr: Tetrachlor	pethene		0.178		0.2000		89.0	79	135			
Sample ID 15062	16-07AMS	Batch ID:	70173		TestNo	: SW	8021B		Units:	mg/Kg	-dry	
SampType: MS		Run ID:	GC4_1	50623A	Analys	is Date: 6/23	8/2015 8:08:	19 PM	Prep Date: 6/23/2015			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit	Qual
Benzene			0.0996	0.00568	0.1136	0	87.7	65	113			
Toluene			0.105	0.0170	0.1136	0	92.5	73	115			
Ethylbenzene			0.104	0.0170	0.1136	0	91.2	74	118			
Xylenes, Total			0.318	0.0170	0.3407	0	93.5	73	119			
Surr: Tetrachlor	oethene		0.191		0.2271		84.3	79	135			
Sample ID 15062	16-07AMSD	Batch ID:	70173		TestNo	: SW	8021B		Units:	mg/Kg	-dry	
SampType: MSD		Run ID:	GC4_1	50623A	Analys	is Date: 6/23	3/2015 8:33:	16 PM	Prep Date:	6/23/2	015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit	Qual
Benzene			0.101	0.00577	0.1155	0	87.7	65	113	1.69	30	
Toluene			0.106	0.0173	0.1155	0	91.8	73	115	0.942	30	
Ethylbenzene			0.105	0.0173	0.1155	0	90.6	74	118	0.967	30	
Xylenes, Total			0.321	0.0173	0.3464	0	92.8	73	119	0.890	30	
Surr: Tetrachlor	pethene		0.174		0.2309		75.3	79	135	0		S

Qualifiers: В Analyte detected in the associated Method Blank DF Dilution Factor J Analyte detected between MDL and RL MDL Method Detection Limit Page 5 of 37 ND Not Detected at the Method Detection Limit R RPD outside accepted control limits RL Reporting Limit \mathbf{S} Spike Recovery outside control limits J Analyte detected between SDL and RL Ν Parameter not NELAC certified

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CLIENT: Larson & Associates Work Order: 1506216

ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

RunID: GC4_150623A

Sample ID ICV-150623	Batch ID:	R80266		TestNo:	SW	8021B		Units:	mg/Kg
SampType: ICV	Run ID:	GC4_1	50623A	Analysis	Date: 6/23	8/2015 12:53	:47 PM	Prep Date	2
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Benzene		0.168	0.00500	0.2000	0	84.1	80	120	
Toluene		0.176	0.0150	0.2000	0	88.0	80	120	
Ethylbenzene		0.183	0.0150	0.2000	0	91.6	80	120	
Xylenes, Total		0.583	0.0150	0.6000	0	97.2	80	120	
Surr: Tetrachloroethene		0.166		0.2000		82.9	79	135	
Sample ID CCV1-150623	Batch ID:	R80266		TestNo:	SW	8021B		Units:	mg/Kg
Sample ID CCV1-150623 SampType: CCV	Batch ID: Run ID:	R80266 GC4_1				8021B 8/2015 9:47:	17 PM	Units: Prep Date	
	Run ID:							Prep Date	
SampType: CCV	Run ID:	GC4_1	50623A	Analysis	Date: 6/23	8/2015 9:47:		Prep Date	:
SampType: CCV Analyte	Run ID:	GC4_1	50623A RL	Analysis SPK value	Bate: 6/23 Ref Val	8/2015 9:47: %REC	LowLimi	Prep Date	:
SampType: CCV Analyte Benzene	Run ID:	GC4_19 Result 0.0857	RL 0.00500	Analysis SPK value 0.1000	0 Date: 6/23 Ref Val	8/2015 9:47: %REC 85.7	LowLimi 80	Prep Date it HighLimit 120	:
SampType: CCV Analyte Benzene Toluene	Run ID:	GC4_1 Result 0.0857 0.0895	RL 0.00500 0.0150	Analysis SPK value 0.1000 0.1000	Date: 6/23 Ref Val 0 0	8/2015 9:47: %REC 85.7 89.5	LowLimi 80 80	Prep Date t HighLimit 120 120	:

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 6 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Larson & Associates

1506216

ANALYTICAL QC SUMMARY REPORT

GC4_150625A

RunID:

Project: Chevron Landfarm

Work Order:

The QC data in batch 70211 applies to the following samples: 1506216-01A, 1506216-02A, 1506216-03A, 1506216-04A, 1506216-05A, 1506216-06A, 1506216-07A

Sample ID LCS-70211	Batch ID:	70211		TestNo:	M80)15V		Units:	mg/Kg	
SampType: LCS	Run ID:	GC4_1	50625A	Analysis	s Date: 6/2	5/2015 11:3	5:44 AM	Prep Date:	6/25/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RP	DLimit Qual
Gasoline Range Organics		4.72	0.200	5.000	0	94.4	68	126		
Surr: Tetrachlorethene		0.355		0.4000		88.8	70	134		
Sample ID MB-70211	Batch ID:	70211		TestNo:	M80)15V		Units:	mg/Kg	
SampType: MBLK	Run ID:	GC4_1	50625A	Analysis	s Date: 6/2	5/2015 12:47	7:57 PM	Prep Date:	6/25/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RP	DLimit Qual
Gasoline Range Organics Surr: Tetrachlorethene		ND 0.397	0.200	0.4000		99.3	70	134		
Sample ID 1506216-07AMS	Batch ID:	70211		TestNo:	M8()15V		Units:	mg/Kg-	drv
	Buton ID.							0		,
SampType: MS	Run ID:	GC4_1	50625A			5/2015 5:06:	18 PM	Prep Date:	6/25/20	-
•	Run ID:		50625A RL						6/25/20	15
SampType: MS	Run ID:	GC4_1		Analysis	s Date: 6/2	5/2015 5:06:		Prep Date:	6/25/20	15
SampType: MS Analyte	Run ID:	GC4_1	RL	Analysis SPK value	s Date: 6/2: Ref Val	5/2015 5:06: %REC	LowLim	Prep Date: it HighLimit %	6/25/20	15
SampType: MS Analyte Gasoline Range Organics	Run ID:	GC4_19 Result 5.70	RL	Analysis SPK value 6.030	s Date: 6/2 Ref Val 0	5/2015 5:06: %REC 94.5	LowLim	Prep Date: it HighLimit % 126	6/25/20	15 DLimit Qual
SampType: MS Analyte Gasoline Range Organics Surr: Tetrachlorethene	Run ID:	GC4_19 Result 5.70 0.402	RL 0.241	Analysis SPK value 6.030 0.4824 TestNo:	s Date: 6/2 Ref Val 0 M80	5/2015 5:06: %REC 94.5 83.4	LowLim 68 70	Prep Date: it HighLimit % 126 134	6/25/20	DLimit Qual
SampType: MS Analyte Gasoline Range Organics Surr: Tetrachlorethene Sample ID 1506216-07AMSD	Run ID: Batch ID: Run ID:	GC4_19 Result 5.70 0.402 70211	RL 0.241	Analysis SPK value 6.030 0.4824 TestNo:	s Date: 6/2 Ref Val 0 M80	5/2015 5:06: %REC 94.5 83.4	LowLim 68 70 41 PM	Prep Date: it HighLimit % 126 134 Units:	6/25/20 6RPD RP mg/Kg- 6/25/20	dry 15
SampType: MS Analyte Gasoline Range Organics Surr: Tetrachlorethene Sample ID 1506216-07AMSD SampType: MSD	Run ID: Batch ID: Run ID:	GC4_11 Result 5.70 0.402 70211 GC4_11	RL 0.241 50625A	Analysis SPK value 6.030 0.4824 TestNo: Analysis	s Date: 6/25 Ref Val 0 M80 s Date: 6/25	5/2015 5:06: %REC 94.5 83.4 015V 5/2015 5:30:	LowLim 68 70 41 PM	Prep Date: it HighLimit % 126 134 Units: Prep Date:	6/25/20 6RPD RP mg/Kg- 6/25/20	dry 15
SampType: MS Analyte Gasoline Range Organics Surr: Tetrachlorethene Sample ID 1506216-07AMSD SampType: MSD Analyte	Run ID: Batch ID: Run ID:	GC4_19 Result 5.70 0.402 70211 GC4_19 Result	RL 0.241 50625A RL	Analysis SPK value 6.030 0.4824 TestNo: Analysis SPK value	s Date: 6/25 Ref Val 0 M80 s Date: 6/25 Ref Val	5/2015 5:06: %REC 94.5 83.4 015V 5/2015 5:30: %REC	LowLim 68 70 41 PM LowLim	Prep Date: it HighLimit % 126 134 Units: Prep Date: it HighLimit %	6/25/20 6/PD RP mg/Kg- 6/25/20 6/PD RP	dry 15 DLimit Qual

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 7 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Work Order: Project:	1506216	z Associates Landfarm			AN	ALYI	FICAL Q RunID	-	MMA C4_150		EPORT
Sample ID ICV-15 SampType: ICV	0625	Batch ID: Run ID:	R80310 GC4_150	625A	TestNo: Analysis		3015V 25/2015 10:53	:36 AM	Units: Prep Date	mg/K	(g
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit Qual
Gasoline Range Or Surr: Tetrachlore	•		9.85 0.342	0.200	10.00 0.4000	0	98.5 85.5	80 70	120 134		
Sample ID CCV1- SampType: CCV	150625	Batch ID: Run ID:	R80310 GC4_150	625A	TestNo: Analysis		3015V 25/2015 5:54:5	53 PM	Units: Prep Date	mg/k	ζg
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit Qual
Gasoline Range Or Surr: Tetrachlore	•		4.50 0.360	0.200	5.000 0.4000	0	90.1 90.1	80 70	120 134		

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 8 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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Project: Chevron Landfam: Run ID: CETAC2_HG_150624A The GC data in batch 70154 applies to the following samples: 1506216-02B, 1506216-03B, 1506201-03B, 00.000 Result RL SW7471B Unlis: mg/Kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Unlis: mg/Kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Unlis: mg/Kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Unlis: mg/Kg Sample ID 1056200-02B SD Batch ID: 70154 TestNo: SW7471B <	CLIENT:	Larson & A	Associates				AN	ALV	FICAL C)C SI	IMMAI	V RF	EPORT
Barbon Protocol Barbon Pro	Work Order:						1 1 1			-			
OBEB_1508216-07B Units: mg/Kg Sample ID MB-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: MBLK Run ID: CETAC2_H6_150624A Analysis Date: 6/2/2015 9:50:28 AM Prep Date: 6/22/2015 Analyse Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury ND 0.0400 Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID 1506200-02B DS Batc	Project:								-		_	—	
SampType: MBLK Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:50:28 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPD.Limit Qual Mercury ND 0.0400 Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPD.Limit Qual Mercury 0.196 0.0400 0.2000 0 98.0 85 115 Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:54:59 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC		h 70154 appli	ies to the fo	ollowing sam	ples: 15062	216-01E	3, 15062 ⁻	16-02B, 1	1506216-03B,	1506216	04B, 150621	6-05B, 1	506216-
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury ND 0.0400 Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/kg Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/kg Mercury 0.196 0.0400 0.2000 0 88.0 85 115 Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/kg Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/kg Sample ID 1506200-02B SD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:59:33 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPLimit	Sample ID MB-701	54	Batch ID:	70154		-	TestNo:	SV	N7471B		Units:	mg/Kg	
Mercury ND 0.0400 Mercury ND 0.0400 Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:52:43 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.196 0.0400 0.2000 0 98.0 85 115 Sample ID LCSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:54:59 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.211 0.4000 0.2000 0 106 85 115 7.37 25 Samp	SampType: MBLK		Run ID:	CETAC2_	HG_150624	4A	Analysis	Date: 6/2	24/2015 9:50:	28 AM	Prep Date:	6/22/20)15
Sample ID LCS-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:52:43 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.196 0.0400 0.2000 0 98.0 85 115 Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg Sample ID LCSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:54:59 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.211 0.0400 0.2000 0 106 85 115 7.37 25 SampType: SD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg/Gr/Gr SampType:	Analyte			Result	RL	SPK v	/alue	Ref Val	%REC	LowLimi	t HighLimit (%RPD RF	PDLimit Qual
Analysis Date: 6/2/2015 Prep Date: 6/2/2015 SampType: LCS Run ID: CETAC2_HG_150624A Analysis Date: 6/2/2015 9:52:43 AM Prep Date: 6/2/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.196 0.000 0 98.0 85 115 SampType: LCSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:54:59 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPD.Imit Qual Mercury 0.211 0.0400 0.2000 0 106 85 115 7.37 25 SampType: SD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:59:33 AM Prep Date: 6/22/2015 Analyte <td>Mercury</td> <td></td> <td></td> <td>ND</td> <td>0.0400</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Mercury			ND	0.0400								
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.196 0.0400 0.2000 0 98.0 85 115 Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCSD Run ID: CETAC2_H6_150624A Analysis Date: 6/24/2015 9:54:59 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.211 0.0400 0.2000 0 106 85 115 7.37 25 Sample ID 1506200-02B SD Batch ID: 70154 TestNo: SW7471B Units:< mg/Kg-dry	Sample ID LCS-70	154	Batch ID:	70154		-	TestNo:	SV	N7471B		Units:	mg/Kg	
Mercury 0.196 0.0400 0.2000 0 98.0 85 115 Sample ID LCSD-70154 Batch ID: 70154 TestNo: SW7471B Units: mg/Kg SampType: LCSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:54:59 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.211 0.0400 0.2000 0 106 85 115 7.37 25 Sample ID 1506200-02B SD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: SD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:59:33 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0 0.254 0 0 10 10 <t< td=""><td>SampType: LCS</td><td></td><td>Run ID:</td><td>CETAC2_</td><td>HG_150624</td><td>4A</td><td>Analysis</td><td>Date: 6/2</td><td>24/2015 9:52:4</td><td>43 AM</td><td>Prep Date:</td><td>6/22/20</td><td>)15</td></t<>	SampType: LCS		Run ID:	CETAC2_	HG_150624	4A	Analysis	Date: 6/2	24/2015 9:52:4	43 AM	Prep Date:	6/22/20)15
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Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.211 0.0400 0.2000 0 106 85 115 7.37 25 Sample ID 1506200-02B SD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: SD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 9:59:33 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0 0.254 0 0 0 10 SampType: PDS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: PDS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:01:48 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	Sample ID LCSD-7	0154	Batch ID:	70154		-	TestNo:	SV	N7471B		Units:	mg/Kg	
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SampType:SDRun ID:CETAC2_HG_150624AAnalysis Date:6/24/20159:59:33 AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit%RPDRPDLimit QualMercury00.25400010Sample ID1506200-02B PDSBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:PDSRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:01:48 AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit%RPDRPDLimit QualMercury0.3440.05070.3169010885115Sampt ID1506200-02B MSBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:04:03 AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit%RPD RPDLimit QualMercury0.2790.05170.2585010880120SampI ID1506200-02B MSDBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSDRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:06:19 AMPrep Date:6/22/2015SampType:MSDRun ID:CETAC2_HG_150624AAnalysis Date:	Mercury			0.211	0.0400	0.20	000	0	106	85	115	7.37	25
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0 0.254 0 0 0 10 Sample ID 1506200-02B PDS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: PDS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:01:48 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.344 0.0507 0.3169 0 108 85 115 SampIe ID 1506200-02B MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:04:03 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual <t< td=""><td>Sample ID 150620</td><td>0-02B SD</td><td>Batch ID:</td><td>70154</td><td></td><td></td><td>TestNo:</td><td>SV</td><td>N7471B</td><td></td><td>Units:</td><td>mg/Kg</td><td>-dry</td></t<>	Sample ID 150620	0-02B SD	Batch ID:	70154			TestNo:	SV	N7471B		Units:	mg/Kg	-dry
Mercury 0 0.254 0 0 0 10 Sample ID 1506200-02B PDS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: PDS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:01:48 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.344 0.0507 0.3169 0 108 85 115 SampType: MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:04:03 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPD Limit Qual Mercury 0.279 0.0517 0.2585 0 108 80 <td>SampType: SD</td> <td></td> <td>Run ID:</td> <td>CETAC2_</td> <td>HG_150624</td> <td>4A</td> <td>Analysis</td> <td>Date: 6/2</td> <td>24/2015 9:59:</td> <td>33 AM</td> <td>Prep Date:</td> <td>6/22/20</td> <td>015</td>	SampType: SD		Run ID:	CETAC2_	HG_150624	4 A	Analysis	Date: 6/2	24/2015 9:59:	33 AM	Prep Date:	6/22/20	015
Sample ID 1506200-02B PDS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: PDS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:01:48 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.344 0.0507 0.3169 0 108 85 115 SampType: MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:04:03 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.279 0.0517 0.2585 0 108 80 120 SampType: MSD Batch ID:	Analyte			Result	RL	SPK v	/alue	Ref Val	%REC	LowLimi	t HighLimit 🤇	%RPD RF	PDLimit Qual
SampType:PDSRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:01:48 AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit%RPD RPDLimit QualMercury0.3440.05070.3169010885115Sample ID1506200-02B MSBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:04:03 AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit%RPD RPDLimit QualMercury0.2790.05170.2585010880120Sample ID1506200-02B MSDBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySample ID1506200-02B MSDBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSDMain ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:06:19 AMPrep Date:6/22/2015	Mercury			0	0.254	0		0				0	10
AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit %RPD RPDLimit QualMercury0.3440.05070.3169010885115Sample ID1506200-02B MSBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:04:03 AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit %RPD RPDLimit QualMercury0.2790.05170.2585010880120SampType:MSDBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSDRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:06:19 AMPrep Date:6/22/2015	Sample ID 150620	0-02B PDS	Batch ID:	70154			TestNo:	SV	N7471B		Units:	mg/Kg	-dry
Mercury 0.344 0.0507 0.3169 0 108 85 115 Sample ID 1506200-02B MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:04:03 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.279 0.0517 0.2585 0 108 80 120 Sample ID 1506200-02B MSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:06:19 AM Prep Date: 6/22/2015	SampType: PDS		Run ID:	CETAC2_	HG_150624	4A	Analysis	Date: 6/2	24/2015 10:01	:48 AM	Prep Date:	6/22/20)15
Sample ID 1506200-02B MS Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MS Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:04:03 AM Prep Date: 6/22/2015 Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercury 0.279 0.0517 0.2585 0 108 80 120 Sample ID 1506200-02B MSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry Sample ID 1506200-02B MSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:06:19 AM Prep Date: 6/22/2015	Analyte			Result	RL	SPK v	/alue	Ref Val	%REC	LowLimi	t HighLimit	%RPD RF	PDLimit Qual
SampType:MSRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:04:03AMPrep Date:6/22/2015AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit %RPD RPDLimit QualMercury0.2790.05170.2585010880120Sample ID1506200-02B MSDBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSDRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:06:19 AMPrep Date:6/22/2015	Mercury			0.344	0.0507	0.31	69	0	108	85	115		
AnalyteResultRLSPK valueRef Val%RECLowLimit HighLimit%RPDRPDLimit QualMercury0.2790.05170.2585010880120Sample ID1506200-02B MSDBatch ID:70154TestNo:SW7471BUnits:mg/Kg-drySampType:MSDRun ID:CETAC2_HG_150624AAnalysis Date:6/24/201510:06:19 AMPrep Date:6/22/2015	Sample ID 150620	0-02B MS	Batch ID:	70154		-	TestNo:	SV	N7471B		Units:	mg/Kg	-dry
Mercury 0.279 0.0517 0.2585 0 108 80 120 Sample ID 1506200-02B MSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:06:19 AM Prep Date: 6/22/2015	SampType: MS		Run ID:	CETAC2_	HG_150624	4A	Analysis	Date: 6/2	24/2015 10:04	:03 AM	Prep Date:	6/22/20)15
Sample ID 1506200-02B MSD Batch ID: 70154 TestNo: SW7471B Units: mg/Kg-dry SampType: MSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:06:19 AM Prep Date: 6/22/2015	Analyte			Result	RL	SPK v	/alue	Ref Val	%REC	LowLimi	t HighLimit	%RPD RF	PDLimit Qual
SampType: MSD Run ID: CETAC2_HG_150624A Analysis Date: 6/24/2015 10:06:19 AM Prep Date: 6/22/2015	Mercury			0.279	0.0517	0.25	685	0	108	80	120		
	Sample ID 150620	0-02B MSD	Batch ID:	70154			TestNo:	SV	N7471B		Units:	mg/Kg	-dry
Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	SampType: MSD		Run ID:	CETAC2_	HG_150624	4 A	Analysis	Date: 6/2	24/2015 10:06	:19 AM	Prep Date:	6/22/20)15
	Analyte			Result	RL	SPK v	alue	Ref Val	%REC	LowLimi	t HighLimit	%RPD RF	PDLimit Qual
Mercury 0.273 0.0509 0.2543 0 108 80 120 2.07 25	Mercury			0.273	0.0509	0.25	43	0	108	80	120	2.07	25

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 9 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	e
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Work Order: Project:	Larson & Associate 1506216 Chevron Landfarm			AN	ALYTI	CAL Q RunID	-		RY REPC _HG_150624	
Sample ID ICV-15	0624 Batch ID): R80272		TestNo:	SW7	471B		Units:	mg/Kg	
SampType: ICV	Run ID:	CETAC2	_HG_150624	A Analysis	Date: 6/24/	2015 9:45:	53 AM	Prep Date:	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLim	nit Qual
Mercury		0.00417	0.0400	0.004000	0	104	90	110		
Sample ID CCV1-	150624 Batch ID): R80272		TestNo:	SW7	471B		Units:	mg/Kg	
SampType: ССV	Run ID:	CETAC2	_HG_150624	Analysis	Date: 6/24/	2015 10:29	:00 AM	Prep Date:	:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPDLim	nit Qual
Mercury		0.00198	0.0400	0.002000	0	99.0	90	110		

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 10 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Larson & Associates

Work Order: 1506216

ANALYTICAL QC SUMMARY REPORT

ICP-MS3_150623A

RunID:

Project: Chevron Landfarm

The QC data in batch 70152 applies to the following samples: 1506216-01B, 1506216-02B, 1506216-03B, 1506216-04B, 1506216-05B, 1506216-06B, 1506216-07B

Sample ID	MB-701	52 Batch ID): 70152		TestN	o: SW6	020A		Units:	mg/K	(g
SampType:	MBLK	Run ID:	ICP-M	S3_150623A	Analy	sis Date: 6/23 /	2015 10:23	3:00 PM	Prep Date:	6/22/	2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD	RPDLimit Qua
Arsenic			ND	1.00							
Barium			ND	2.00							
Cadmium			ND	0.300							
Calcium			ND	12.5							
Chromium			ND	2.00							
Lead			ND	0.300							
Magnesium			ND	12.5							
Potassium			ND	12.5							
Selenium			ND	0.500							
Silver			ND	0.200							
Sample ID	LCS-70	I52 Batch ID): 70152		TestN	o: SW6	020A		Units:	mg/K	ζg
SampType:	LCS	Run ID:	ICP-M	S3_150623A	Analy	sis Date: 6/23 /	2015 10:29	9:00 PM	Prep Date:	6/22/	2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD	RPDLimit Qua
Arsenic			48.4	1.00	50.00	0	96.9	80	120		
Barium			50.1	2.00	50.00	0	100	80	120		
Cadmium			49.2	0.300	50.00	0	98.4	80	120		
Calcium			245	12.5	250.0	0	98.1	80	120		
Chromium			53.1	2.00	50.00	0	106	80	120		
Lead			52.7	0.300	50.00	0	105	80	120		
Magnesium			245	12.5	250.0	0	98.1	80	120		
Potassium			245	12.5	250.0	0	98.0	80	120		
Selenium			43.8	0.500	50.00	0	87.7	80	120		
Silver			50.3	0.200	50.00	0	101	80	120		
Sample ID	LCSD-7	0152 Batch ID): 70152		TestN	o: SW6	020A		Units:	mg/K	(g
0 T											2015
SampType:		Run ID:	ICP-M	S3_150623A	Analy	sis Date: 6/23/	2015 10:3	5:00 PM	Prep Date:	6/22/	2010
			ICP-M Result	83_150623A RL	Analy SPK value	sis Date: 6/23/ Ref Val	2015 10:3: %REC				RPDLimit Qua
				_							
Analyte			Result 49.6 51.2	RL 1.00 2.00	SPK value 50.00 50.00	Ref Val	%REC 99.1 102	LowLimi 80 80	t HighLimit 120 120	%RPD 2.24 2.17	RPDLimit Qua 20 20
Analyte Arsenic			Result 49.6	RL	SPK value 50.00	Ref Val	%REC 99.1	LowLimi 80	t HighLimit	%RPD 2.24	RPDLimit Qua 20
Analyte Arsenic Barium			Result 49.6 51.2 50.1 258	RL 1.00 2.00	SPK value 50.00 50.00 50.00 250.0	Ref Val 0 0	%REC 99.1 102	LowLimi 80 80	t HighLimit 120 120	%RPD 2.24 2.17	RPDLimit Qua 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium			Result 49.6 51.2 50.1 258 54.4	RL 1.00 2.00 0.300 12.5 2.00	SPK value 50.00 50.00 50.00 250.0 50.00	Ref Val 0 0 0	%REC 99.1 102 100 103 109	LowLimi 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42	RPDLimit Qua 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead			Result 49.6 51.2 50.1 258 54.4 53.4	RL 1.00 2.00 0.300 12.5 2.00 0.300	SPK value 50.00 50.00 250.00 250.0 50.00 50.00	Ref Val 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107	LowLimi 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27	RPDLimit Qua 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead Magnesium			Result 49.6 51.2 50.1 258 54.4 53.4 255	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5	SPK value 50.00 50.00 250.0 250.0 50.00 50.00 250.0	Ref Val 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102	LowLimi 80 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87	RPDLimit Qua 20 20 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead			Result 49.6 51.2 50.1 258 54.4 53.4 255 256	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5 12.5	SPK value 50.00 50.00 250.0 50.00 50.00 250.0 250.0 250.0	Ref Val 0 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102 103	LowLimi 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87 4.50	RPDLimit Qua 20 20 20 20 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead Magnesium			Result 49.6 51.2 50.1 258 54.4 53.4 255	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5	SPK value 50.00 50.00 250.0 250.0 50.00 50.00 250.0	Ref Val 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102	LowLimi 80 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87	RPDLimit Qua 20 20 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead Magnesium Potassium			Result 49.6 51.2 50.1 258 54.4 53.4 255 256 45.0	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5 12.5 12.5 0.500	SPK value 50.00 50.00 250.0 50.00 50.00 250.0 250.0 250.0	Ref Val 0 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102 103 90.0	LowLimi 80 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87 4.50	RPDLimit Qua 20 20 20 20 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead Magnesium Potassium Selenium	LCSD	Run ID:	Result 49.6 51.2 50.1 258 54.4 53.4 255 256 45.0	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5 12.5 12.5 0.500 Method Blank	SPK value 50.00 50.00 250.0 50.00 50.00 250.0 250.0 250.0 50.00	Ref Val 0 0 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102 103 90.0	LowLimi 80 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87 4.50 2.59	RPDLimit Qua 20 20 20 20 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead Magnesium Potassium Selenium	B	Run ID:	Result 49.6 51.2 50.1 258 54.4 53.4 255 256 45.0 e associated cen MDL an	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5 12.5 0.500 Method Blank ad RL	SPK value 50.00 50.00 250.0 50.00 50.00 250.0 250.0 250.0 50.00 50.00	Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102 103 90.0	LowLimi 80 80 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87 4.50 2.59	RPDLimit Qua 20 20 20 20 20 20 20 20 20 20 20
Analyte Arsenic Barium Cadmium Calcium Chromium Lead Magnesium Potassium Selenium	B	Run ID: Analyte detected in the Analyte detected betwee	Result 49.6 51.2 50.1 258 54.4 53.4 255 256 45.0 e associated cen MDL an	RL 1.00 2.00 0.300 12.5 2.00 0.300 12.5 12.5 0.500 Method Blank ad RL	SPK value 50.00 50.00 250.0 50.00 50.00 250.0 250.0 250.0 50.00 DF MDL	Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	%REC 99.1 102 100 103 109 107 102 103 90.0	LowLimi 80 80 80 80 80 80 80 80	t HighLimit 120 120 120 120 120 120 120 120 120	%RPD 2.24 2.17 1.71 5.28 2.42 1.27 3.87 4.50 2.59	RPDLimit Qua 20 20 20 20 20 20 20 20 20 20 20

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CLIENT: Work Ord	0.84	Larson & 1506216	Associates	5		A	NALYT	ICAL (QC SU	MMA F	RY R	EPORT
Work Ord Project:	er:	Chevron I	andfarm					RunII): I	CP-MS3_	15062	3A
Sample ID	LCSD-7	70152	Batch ID:	70152		TestN	o: SW	6020A		Units:	mg/K	g
SampType:	LCSD		Run ID:	ICP-MS	3_150623A	Analy	sis Date: 6/2 3	8/2015 10:35	:00 PM	Prep Date:	6/22/2	2015
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD F	RPDLimit Qua
Silver				50.7	0.200	50.00	0	101	80	120	0.792	20
Sample ID	150621	6-02B SD	Batch ID:	70152		TestN	o: SW	6020A		Units:	mg/K	g-dry
SampType:	SD		Run ID:	ICP-MS	3_150623A	Analy	sis Date: 6/2 3	8/2015 10:53	:00 PM	Prep Date:	6/22/2	2015
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD F	PDLimit Qua
Arsenic				3.45	4.83	0	3.406				1.20	10
Barium				88.6	9.66	0	87.33				1.40	10
Cadmium				0	1.45	0	0.2800				0	10
Chromium				14.3	9.66	0	13.65				4.94	10
Lead				6.24	1.45	0	6.109				2.17	10
Magnesium				2390	60.4	0	2413				1.01	10
Potassium				2870	60.4	0	2892				0.713	10
Selenium				0	2.42	0	0.8143				0	10
Silver				0	0.966	0	0				0	10
Sample ID	150621	6-02B PDS	Batch ID:	70152		TestN	o: SW	6020A		Units:	mg/K	g-dry
SampType:	PDS		Run ID:	ICP-MS	3_150623A	Analy	sis Date: 6/2 3	8/2015 11:23	:00 PM	Prep Date:	6/22/2	2015
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD F	RPDLimit Qua
Arsenic				50.0	0.966	48.31	3.406	96.4	80	120		
Barium				139	1.93	48.31	87.33	106	80	120		
Cadmium				45.7	0.290	48.31	0.2800	93.9	80	120		
Chromium				65.5	1.93	48.31	13.65	107	80	120		
Lead				57.8	0.290	48.31	6.109	107	80	120		
Magnesium				3670	12.1	1208	2413	104	80	120		
Potassium				4200	12.1	1208	2892	109	80	120		
Selenium				41.9	0.483	48.31	0.8143	85.0	80	120		
Silver				46.6	0.193	48.31	0	96.5	80	120		
Sample ID	150621	6-02B MS	Batch ID:	70152		TestN	o: SW	6020A		Units:	mg/K	g-dry
SampType:	MS		Run ID:	ICP-MS	3_150623A	Analy	sis Date: 6/23	8/2015 11:29	:00 PM	Prep Date:	6/22/2	2015
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD F	RPDLimit Qua
Arsenic				54.2	1.08	53.78	3.406	94.4	80	120		
Barium				125	2.15	53.78	87.33	70.6	80	120		S
Cadmium				50.9	0.323	53.78	0.2800	94.1	80	120		
Calcium				20600	13.4	268.9	37200	-6180	80	120		S
Chromium				69.9	2.15	53.78	13.65	105	80	120		
Lead				62.3	0.323	53.78	6.109	104	80	120		
Magnesium				2600	13.4	268.9	2413	70.8	80	120		S
Qualifiers:	В	Analyte det	ected in the a	ssociated N	fethod Blank	DF	Dilution Facto	or				
	J	•	ected betwee			MDL	Method Detec	ction Limit			Ря	ge 12 of 37
	ND	•	d at the Metl			R	RPD outside		rol limits		1 0	50 12 01 57
	RL	Reporting L				S	Spike Recove	-				
	J		ected betwee	n SDL and	RL	N	Parameter not	-				

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CLIENT: Larson & Associates 1506216

Work Order:

ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

RunID:

ICP-MS3_150623A

Sample ID	1506216-02B MS	Batch ID:	70152		TestNo:	sv	V6020A		Units:	mg/K	g-dry	
SampType:	MS	Run ID:	ICP-MS3_	150623A	Analysis	Date: 6/2	23/2015 11:29:	00 PM	Prep Date:	6/22/2	2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	: HighLimit	%RPD F	RPDLimi	t Qual
Potassium			3350	13.4	268.9	2892	172	80	120			S
Selenium			46.5	0.538	53.78	0.8143	85.0	80	120			
Silver			50.9	0.215	53.78	0	94.6	80	120			
Sample ID	1506216-02B MSD	Batch ID:	70152		TestNo:	SV	V6020A		Units:	mg/K	g-dry	
SampType:	MSD	Run ID:	ICP-MS3_	150623A	Analysis	Date: 6/2	23/2015 11:34:	00 PM	Prep Date:	6/22/2	2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	: HighLimit	%RPD F	RPDLimi	t Qual
Arsenic			54.7	1.05	52.30	3.406	98.0	80	120	0.911	20	
Barium			149	2.09	52.30	87.33	119	80	120	17.5	20	
Cadmium			50.9	0.314	52.30	0.2800	96.8	80	120	0.023	20	
Calcium			33300	13.1	261.5	37200	-1500	80	120	47.2	20	SR
Chromium			70.6	2.09	52.30	13.65	109	80	120	0.983	20	
Lead			63.0	0.314	52.30	6.109	109	80	120	1.23	20	
Magnesium			2700	13.1	261.5	2413	111	80	120	3.78	20	
Potassium			3330	13.1	261.5	2892	169	80	120	0.570	20	S
Selenium			45.8	0.523	52.30	0.8143	86.0	80	120	1.53	20	
Silver			50.9	0.209	52.30	0	97.4	80	120	0.126	20	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 13 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Larson & Associates Work Order: 1506216

ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

RunID: ICP-MS3_150623A

Sample ID	CCV5-1	50623 Batch II	D: R80265		TestN	lo: SV	W6020A		Units:	mg/L	
SampType:	ccv	Run ID:	ICP-MS	3_150623A	Analy	sis Date: 6/2	23/2015 9:17:	00 PM	Prep Date	-	
Analyte			Result		SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLin	nit Qual
Arsenic			0.196	0.00500	0.200	0	98.1	90	110		
Barium			0.199	0.0100	0.200	0	99.3	90	110		
Cadmium			0.197	0.00100	0.200	0	98.6	90	110		
Calcium			5.13	0.300	5.00	0	103	90	110		
Chromium			0.208	0.00500	0.200	0	104	90	110		
Lead			0.207	0.00100	0.200	0	104	90	110		
Magnesium			4.97	0.300	5.00	0	99.4	90	110		
Potassium			4.98	0.300	5.00	0	99.5	90	110		
Selenium			0.184	0.00500	0.200	0	92.0	90	110		
Silver			0.196	0.00200	0.200	0	97.8	90	110		
Sodium			5.37	0.300	5.00	0	107	90	110		
Sample ID	CCV6-1	50623 Batch II	D: R80265	5	TestN	lo: SV	N6020A		Units:	mg/L	
SampType:	ссv	Run ID:	ICP-MS	3_150623A	Analy	vsis Date: 6/2	23/2015 11:40	:00 PM	Prep Date	e:	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLin	nit Qual
Arsenic			0.200	0.00500	0.200	0	99.9	90	110		
Barium			0.200	0.0100	0.200	0	99.8	90	110		
Cadmium			0.198	0.00100	0.200	0	98.9	90	110		
Calcium			5.22	0.300	5.00	0	104	90	110		
Chromium			0.214	0.00500	0.200	0	107	90	110		
Lead			0.209	0.00100	0.200	0	104	90	110		
Magnesium			4.95	0.300	5.00	0	98.9	90	110		
Potassium			5.07	0.300	5.00	0	101	90	110		
Selenium			0.184	0.00500	0.200	0	92.2	90	110		
Silver			0.198	0.00200	0.200	0	99.1	90	110		
Sample ID	CCV7-1	50623 Batch II): R8026 5	5	TestN	lo: SV	W6020A		Units:	mg/L	
SampType:	CCV	Run ID:	ICP-MS	3_150623A	Analy	sis Date: 6/2	24/2015 1:05:	00 AM	Prep Date	ə:	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLin	nit Qual
Arsenic			0.198	0.00500	0.200	0	99.1	90	110		
Barium			0.203	0.0100	0.200	0	102	90	110		
Cadmium			0.201	0.00100	0.200	0	100	90	110		
Chromium			0.214	0.00500	0.200	0	107	90	110		
Lead			0.208	0.00100	0.200	0	104	90	110		
Magnesium			4.97	0.300	5.00	0	99.5	90	110		
Potassium			5.05	0.300	5.00	0	101	90	110		
Selenium			0.183	0.00500	0.200	0	91.6	90	110		
Silver			0.198	0.00200	0.200	0	98.9	90	110		
Qualifiers:	В	Analyte detected in the	associated 1	Method Blank	DF	Dilution Fac	ctor				
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	J	Analyte detected in the			MDL		ection Limit			Page 14	of 37
	ND	Not Detected at the Me			R		e accepted cont	rol limite		1 age 14	01 57
	RL	Reporting Limit			S		very outside con				
	J	Analyte detected betwe	een SDL and	RL	N	-	ot NELAC cert				
	5										

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#### **CLIENT:** Larson & Associates Work Order: 1506216 **Project:** Chevron Landfarm

## ANALYTICAL QC SUMMARY REPORT

**RunID:** 

ICP-MS3_150623A

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Sample ID ICV1-150623	Batch ID: R802	65	TestNo	: SW6	6020A		Units:	mg/L
SampType: <b>ICV</b>	Run ID: ICP-N	IS3_150623A	Analys	is Date: <b>6/23</b>	/2015 12:3	5:00 PM	Prep Date	9:
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLimit Qual
Arsenic	0.104	0.00500	0.100	0	104	90	110	
Barium	0.101	0.0100	0.100	0	101	90	110	
Cadmium	0.102	0.00100	0.100	0	102	90	110	
Calcium	2.50	0.300	2.50	0	99.9	90	110	
Chromium	0.107	0.00500	0.100	0	107	90	110	
Lead	0.106	0.00100	0.100	0	106	90	110	
Magnesium	2.56	0.300	2.50	0	102	90	110	
Potassium	2.53	0.300	2.50	0	101	90	110	
Selenium	0.105	0.00500	0.100	0	105	90	110	
Silver	0.106	0.00200	0.100	0	106	90	110	
Sodium	2.50	0.300	2.50	0	100	90	110	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	e
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

4∩

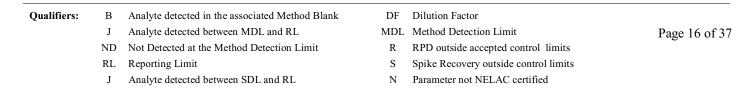
#### **CLIENT:** Larson & Associates 1506216 Work Order: **RunID**: **Project:** Chevron Landfarm

## ANALYTICAL QC SUMMARY REPORT

ICP-MS4_150629B

The QC data in batch 70152 applies to the following samples: 1506216-01B, 1506216-02B, 1506216-03B, 1506216-04B, 1506216-05B, 1506216-06B, 1506216-07B

MB-70152	Batch ID:	70152		TestNo:	SWe	6020A		Units:	mg/Kg	
MBLK	Run ID:	ICP-MS4	_150629B	Analysis	s Date: <b>6/29</b>	/2015 12:40	0:00 PM	Prep Date:	6/22/2015	
		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit	Qual
		ND	12.5							
LCS-70152	Batch ID:	70152		TestNo:	swe	6020A		Units:	mg/Kg	
LCS	Run ID:	ICP-MS4	_150629B	Analysis	s Date: <b>6/29</b>	/2015 12:42	2:00 PM	Prep Date:	6/22/2015	
		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit	Qual
		268	12.5	250.0	0	107	80	120		
LCSD-70152	Batch ID:	70152		TestNo:	SWe	6020A		Units:	mg/Kg	
LCSD	Run ID:	ICP-MS4	_150629B	Analysis	s Date: <b>6/29</b>	/2015 12:44	:00 PM	Prep Date:	6/22/2015	
		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit	Qual
		273	12.5	250.0	0	109	80	120	1.93 20	
1506216-02B SD	Batch ID:	70152		TestNo:	SWe	6020A		Units:	mg/Kg-dry	
SD	Run ID:	ICP-MS4	_150629B	Analysis	s Date: <b>6/29</b>	/2015 12:49	0:00 PM	Prep Date:	6/22/2015	
		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit	Qual
		93.8	60.4	0	70.33				28.6 10	R
									20.0	
1506216-02B PDS	Batch ID:	70152		TestNo	SWe	5020A		Units:	mg/Kg-dry	
1506216-02B PDS PDS	Batch ID: Run ID:		_150629B		SW6 s Date: 6/29		00 PM	Units: Prep Date:	mg/Kg-dry	
	Run ID:		_ <b>150629B</b> RL					Prep Date:	mg/Kg-dry	Qual
	Run ID:	ICP-MS4	-	Analysis	s Date: 6/29	/2015 1:09:		Prep Date:	mg/Kg-dry 6/22/2015	Qual
	Run ID:	ICP-MS4	- RL	Analysis SPK value	s Date: <b>6/29</b> Ref Val 70.33	/2015 1:09: %REC	LowLimi	Prep Date: t HighLimit 9	mg/Kg-dry 6/22/2015	Qual
PDS	Run ID:	ICP-MS4 Result 1280 70152	- RL	Analysis SPK value 1208 TestNo:	s Date: <b>6/29</b> Ref Val 70.33	/2015 1:09: %REC 100	LowLimi 80	Prep Date: t HighLimit 9 120	mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry	Qual
PDS 1506216-02B MS	Run ID: Batch ID: Run ID:	ICP-MS4 Result 1280 70152	RL 12.1	Analysis SPK value 1208 TestNo:	s Date: 6/29 Ref Val 70.33	/2015 1:09: %REC 100	LowLimi 80 00 PM	Prep Date: t HighLimit 9 120 Units: Prep Date:	mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry	
PDS 1506216-02B MS	Run ID: Batch ID: Run ID:	ICP-MS4 Result 1280 70152 ICP-MS4	RL 12.1 _ <b>150629B</b>	Analysis SPK value 1208 TestNo: Analysis	s Date: 6/29 Ref Val 70.33 SW6 s Date: 6/29	/2015 1:09: %REC 100 5020A /2015 1:11:	LowLimi 80 00 PM	Prep Date: t HighLimit 9 120 Units: Prep Date:	mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry 6/22/2015	
PDS 1506216-02B MS	Run ID: Batch ID: Run ID:	ICP-MS4 Result 1280 70152 ICP-MS4 Result		Analysis SPK value 1208 TestNo: Analysis SPK value	s Date: 6/29 Ref Val 70.33 SW6 s Date: 6/29 Ref Val 70.33	/2015 1:09: %REC 100 5020A /2015 1:11: %REC	LowLimi 80 00 PM LowLimi	Prep Date: t HighLimit 9 120 Units: Prep Date: t HighLimit 9	mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry 6/22/2015	
PDS 1506216-02B MS MS	Run ID: Batch ID: Run ID:	ICP-MS4 Result 1280 70152 ICP-MS4 Result 336 70152		Analysis SPK value 1208 TestNo: Analysis SPK value 268.9 TestNo:	s Date: 6/29 Ref Val 70.33 SW6 s Date: 6/29 Ref Val 70.33	/2015 1:09: %REC 100 5020A /2015 1:11: %REC 98.7 5020A	LowLimi 80 00 PM LowLimi 80	Prep Date: t HighLimit 9 120 Units: Prep Date: t HighLimit 9 120	mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry	
PDS 1506216-02B MS MS 1506216-02B MSD	Run ID: Batch ID: Run ID: Batch ID: Run ID:	ICP-MS4 Result 1280 70152 ICP-MS4 Result 336 70152	RL 12.1 _ <b>150629B</b> RL 13.4	Analysis SPK value 1208 TestNo: Analysis SPK value 268.9 TestNo:	s Date: 6/29 Ref Val 70.33 SW6 s Date: 6/29 Ref Val 70.33 SW6	/2015 1:09: %REC 100 5020A /2015 1:11: %REC 98.7 5020A	LowLimi 80 00 PM LowLimi 80 00 PM	Prep Date: t HighLimit 9 120 Units: Prep Date: t HighLimit 9 120 Units: Prep Date:	mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry 6/22/2015 %RPD RPDLimit mg/Kg-dry	Qual
	LCS-70152 LCS LCSD-70152 LCSD LCSD	LCS-70152         Batch ID:           LCS         Run ID:           LCSD-70152         Batch ID:           LCSD         Run ID:           1506216-02B SD         Batch ID:           SD         Run ID:	Result       ND         LCS-70152       Batch ID:       70152         LCS       Run ID:       ICP-MS4         LCSD-70152       Batch ID:       70152         LCSD-70152       Batch ID:       70152         LCSD       Run ID:       ICP-MS4         LCSD-70152       Batch ID:       70152         LCSD       Run ID:       ICP-MS4         SD       Batch ID:       70152         SD       Run ID:       ICP-MS4         Run ID:       ICP-MS4         SD       Run ID:       ICP-MS4	Result       RL         ND       12.5         LCS-70152       Batch ID:       70152         LCS       Run ID:       ICP-MS4_150629B         LCSD-70152       Batch ID:       268       12.5         LCSD-70152       Batch ID:       70152       12.5         LCSD-70152       Batch ID:       70152       12.5         LCSD       Run ID:       ICP-MS4_150629B       12.5         LCSD       Run ID:       12.73       12.5         SD       Batch ID:       70152       12.5         SD       Batch ID:       70152       12.5         Run ID:       ICP-MS4_150629B       12.5         SD       Batch ID:       70152       12.5         SD       Run ID:       ICP-MS4_150629B       12.5         SD       Run ID:       ICP-MS4_150629B       12.5         Run ID:       ICP-MS4_150629B       12.5       12.5         SD       Run ID:       ICP-MS4_150629B       12.5         Run ID:       ICP-MS4_150629B       12.5       12.5         SD       Run ID:       ICP-MS4_150629B       12.5	Result         RL         SPK value           ND         12.5         ND         12.5           LCS-70152         Batch ID:         70152         TestNo:           LCS         Run ID:         ICP-MS4_150629B         Analysis           LCS         Run ID:         ICP-MS4_150629B         Analysis           LCSD-70152         Batch ID:         70152         250.0           LCSD-70152         Batch ID:         70152         TestNo:           LCSD         Run ID:         ICP-MS4_150629B         Analysis           LCSD         Run ID:         ICP-MS4_150629B         Analysis           LCSD         Run ID:         ICP-MS4_150629B         Analysis           SD         Batch ID:         70152         TestNo:           SD         Run ID:         ICP-MS4_150629B         Analysis           Run ID:         ICP-MS4_150629B         Analysis           SD         Run ID:         ICP-MS4_150629B         Analysis           Run ID:         ICP-MS4_150629B         Analysis           SD         Run ID:         ICP-MS4_150629B         Analysis	Result       RL       SPK value       Ref Value         ND       12.5       ND       12.5         LCS-70152       Batch ID:       70152       TestNo:       SWG         LCS       Run ID:       ICP-MS4_150629B       Analysis Date: 6/29       Analysis Date: 6/29         LCSD-70152       Batch ID:       70152       Result       RL       SPK value       Ref Value         LCSD-70152       Batch ID:       70152       250.0       0       0         LCSD-70152       Batch ID:       70152       TestNo:       SWG         LCSD       Run ID:       ICP-MS4_150629B       Analysis Date: 6/29         LCSD       Run ID:       ICP-MS4_150629B       Analysis Date: 6/29         SD       Batch ID:       70152       250.0       0         Run ID:       ICP-MS4_150629B       Analysis Date: 6/29       0         SD       Batch ID:       70152       TestNo:       SWG         SD       Run ID:       ICP-MS4_150629B       Analysis Date: 6/29         Run ID:       ICP-MS4_150629B       Analysis Date: 6/29       Analysis Date: 6/29         SD       Run ID:       ICP-MS4_150629B       Analysis Date: 6/29         Run ID:       ICP-MS4_1506	Result       RL       SPK value       Ref Val       %REC         ND       12.5       ND       12.5         LCS-70152       Batch ID:       70152       TestNo:       SW6020A         LCS       Run ID:       ICP-MS4_150629B       Analysis       Date: 6/29/2015 12:42         LCS       Run ID:       ICP-MS4_150629B       Analysis       Date: 6/29/2015 12:42         LCSD-70152       Batch ID:       70152       Z50.0       0       107         LCSD-70152       Batch ID:       70152       TestNo:       SW6020A         LCSD       Run ID:       ICP-MS4_150629B       Analysis       Date: 6/29/2015 12:44         LCSD       Run ID:       ICP-MS4_150629B       Analysis       Date: 6/29/2015 12:44         LCSD       Run ID:       ICP-MS4_150629B       Analysis       Date: 6/29/2015 12:44         SD       Batch ID:       70152       TestNo:       SW6020A         SD       Batch ID:       70152       TestNo:       SW6020A         SD       Batch ID:       70152       TestNo:       SW6020A         Run ID:       ICP-MS4_150629B       Analysis       Date: 6/29/2015 12:44         SD       Run ID:       ICP-MS4_150629B       Analysis <td>Result         RL         SPK value         Ref Val         %REC         LowLimit           ND         12.5         ND         12.5         International States         SW6020A         International States         SW6020A         International States         International States         SW6020A         International States         International States</td> <td>Result         RL         SPK value         Ref Val         %REC         LowLimit HighLimit for           LCS-70152         Batch ID:         70152         TestNo:         SW6020A         Units:           LCS         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:42:00 PM         Prep Date:           LCS         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:42:00 PM         Prep Date:           LCSD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:42:00 PM         Prep Date:           LCSD-70152         Batch ID:         70152         TestNo:         SW6020A         Units:           LCSD         8atch ID:         70152         TestNo:         SW6020A         Units:           LCSD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:44:00 PM         Prep Date:           LCSD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:44:00 PM         Prep Date:           273         12.5         250.0         0         109         80         120           1506216-02B SD         Batch ID:         70152         TestNo:         SW6020A         Units:           SD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/2</td> <td>Result       RL       SPK value       Ref Val       %REC       LowLimit HighLimit       %RPD       RPDLimit         ND       12.5       ND       12.5       Inits:       mg/Kg       Mg/Kg</td>	Result         RL         SPK value         Ref Val         %REC         LowLimit           ND         12.5         ND         12.5         International States         SW6020A         International States         SW6020A         International States         International States         SW6020A         International States         International States	Result         RL         SPK value         Ref Val         %REC         LowLimit HighLimit for           LCS-70152         Batch ID:         70152         TestNo:         SW6020A         Units:           LCS         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:42:00 PM         Prep Date:           LCS         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:42:00 PM         Prep Date:           LCSD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:42:00 PM         Prep Date:           LCSD-70152         Batch ID:         70152         TestNo:         SW6020A         Units:           LCSD         8atch ID:         70152         TestNo:         SW6020A         Units:           LCSD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:44:00 PM         Prep Date:           LCSD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/29/2015 12:44:00 PM         Prep Date:           273         12.5         250.0         0         109         80         120           1506216-02B SD         Batch ID:         70152         TestNo:         SW6020A         Units:           SD         Run ID:         ICP-MS4_150629B         Analysis Date: 6/2	Result       RL       SPK value       Ref Val       %REC       LowLimit HighLimit       %RPD       RPDLimit         ND       12.5       ND       12.5       Inits:       mg/Kg       Mg/Kg



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CLIENT: Work Order: Project:	Larson & 1506216 Chevron L				AN	ALYTI	CAL C	-	MMAI CP-MS4_		
Sample ID <b>15062</b> 1 SampType: <b>SD</b>	6-02B SD	Batch ID: Run ID:	70152 ICP-MS4_	_150629B	TestNo: Analysis		020A /2015 1:31:(	00 PM	Units: Prep Date:	mg/Kg-c 6/22/201	•
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Calcium			35900	604	0	35900				0.017	10
Sample ID <b>15062</b> 4 SampType: <b>PDS</b>	6-02B PDS	Batch ID: Run ID:	70152 ICP-MS4_	_150629B	TestNo: Analysis		020A /2015 1:43:0	00 PM	Units: Prep Date:	mg/Kg-c 6/22/201	•
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Calcium			47100	121	12080	35900	93.0	80	120		

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 17 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

# CLIENT:Larson & AssociatesANWork Order:1506216Project:Chevron Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4 150629B

Sample ID ICV-150629 Batch ID: R80337 TestNo: SW6020A Units: mg/L SampType: ICV Run ID: ICP-MS4_150629B Analysis Date: 6/29/2015 10:30:00 AM Prep Date: Analyte RL LowLimit HighLimit %RPD RPDLimit Qual Result SPK value Ref Val %REC Calcium 2.38 0.300 2.50 0 95.1 90 110 Sodium 2.56 0.300 2.50 0 102 90 110 Sample ID CCV3-150629 R80337 SW6020A Batch ID: TestNo: Units: mg/L SampType: CCV Run ID: ICP-MS4_150629B Analysis Date: 6/29/2015 12:20:00 PM Prep Date: RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Analyte Result 4.86 0 Calcium 0.300 5.00 97.3 90 110 Sodium 5.28 0.300 5.00 0 106 90 110 Sample ID CCV4-150629 Batch ID: R80337 TestNo: SW6020A Units: mg/L Run ID: SampType: CCV ICP-MS4 150629B Analysis Date: 6/29/2015 1:16:00 PM Prep Date: Analyte Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Calcium 4.92 0.300 5.00 0 98.4 90 110 Sodium 5.45 0.300 5.00 0 109 90 110 Sample ID CCV5-150629 Batch ID: R80337 TestNo: SW6020A Units: mg/L SampType: CCV Run ID: ICP-MS4_150629B Analysis Date: 6/29/2015 1:45:00 PM Prep Date: Result RL SPK value Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Analyte

Calcium 4.87 0.300 5.00 0 97.4 90 110

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 18 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	0
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Work Order:		Larson &	Associates	5		A	NALYTI	CAL (	QC SI	JMMAF	RY RI	EPO]	RT
Project:		Chevron L	andfarm					RunII	D: (	GCMS9_1	50619E	)	
The QC data in b	batch	70093 app	lies to the f	ollowing s	amples: 1506	216-02D, 150	6216-03D, 1506	6216-04D	, 1506216	-06D			
Sample ID LCS	-700	93	Batch ID:	70093		TestN	lo: SW82	70D		Units:	mg/Kg	J	
SampType: LCS	;		Run ID:	GCMS	9_150619D	Analy	sis Date: 6/19/2	015 12:26	6:00 PM	Prep Date:	6/18/2	015	
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	6RPD R	PDLimit	t Qual
1-Methylnaphtha	lene			1.19	0.0266	1.340	0	88.5	40	125			Ν
2-Methylnaphtha	lene			1.19	0.0266	1.340	0	88.5	47	125			
Benzo[a]pyrene				1.38	0.0266	1.340	0	103	50	125			
Naphthalene				1.18	0.0266	1.340	0	88.1	40	125			
Total Phenol (Ca	lculat	ed)		18.8	0.0266	0	0	0	0	0			
Surr: 2,4,6-Tril	brom	ophenol		0.653		0.6670		98.0	45	138			
Surr: 2-Fluorol	biphe	nyl		0.513		0.6670		77.0	60	135			
Surr: 2-Fluoro	pheno	bl		0.620		0.6670		93.0	37	125			
Surr: 4-Terphe	enyl-d	14		0.640		0.6670		96.0	60	129			
Surr: Nitroben:	zene-	d5		0.687		0.6670		103	45	125			
Surr: Phenol-d	15			0.633		0.6670		95.0	40	125			
Sample ID 1506164-03CMS		03CMS	Batch ID:	70093		TestN	lo: SW82	70D		Units:	mg/Kg	g-dry	
SampType: <b>MS</b>	Run ID:         GCMS9_150619D         Analysis Date: 6/19/2015 1:35:00 PI		00 PM	Prep Date:	6/18/2	015							
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	6RPD R	PDLimit	t Qual
1-Methylnaphtha				1.41	0.0325	1.636	0	86.1	40	125			Ν
2-Methylnaphtha	lene			1.25	0.0325	1.636	0	76.2	47	125			
Benzo[a]pyrene				1.53	0.0325	1.636	0	93.8	50	125			
Naphthalene				1.24	0.0325	1.636	0	75.7	40	125			
Surr: 2,4,6-Tri	brom	ophenol		0.757		0.8145		93.0	45	138			
Surr: 2-Fluoro	biphe	nyl		0.594		0.8145		73.0	60	135			
Surr: 2-Fluoro	pheno	bl		0.594		0.8145		73.0	37	125			
Surr: 4-Terphe				0.716		0.8145		88.0	60	129			
Surr: Nitroben	zene-	d5		0.765		0.8145		94.0	45	125			
Surr: Phenol-d	15			0.578		0.8145		71.0	40	125			
Sample ID 150		03CMSD	Batch ID:			TestN				Units:	mg/Kg	g-dry	
SampType: MSI	כ		Run ID:	GCMS	9_150619D	Analy	sis Date: 6/19/2	015 1:58:	00 PM	Prep Date:	6/18/2	015	
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	6RPD R	PDLimit	t Qual
1-Methylnaphtha				1.29	0.0320	1.610	0	80.2	40	125	8.63	30	Ν
2-Methylnaphtha	lene			1.29	0.0320	1.610	0	80.0	47	125	3.34	30	
Benzo[a]pyrene				1.59	0.0320	1.610	0	98.6	50	125	3.39	30	
Naphthalene				1.25	0.0320	1.610	0	77.7	40	125	0.899	30	
Surr: 2,4,6-Tri				0.673		0.8013		84.0	45	138	0	0	
Surr: 2-Fluorol				0.625		0.8013		78.0	60	135	0	0	
Surr: 2-Fluoro				0.601		0.8013		75.0	37	125	0	0	
Surr: 4-Terphe Surr: Nitroben:				0.721 0.713		0.8013 0.8013		90.0 89.0	60 45			0 0	
	20116-	uJ		0.713		0.0013		09.0	40	125	0	U	
Qualifiers:		-			Method Blank	DF	Dilution Factor						
		-	ected between			MDL					Pag	ge 19 o	f 37
1			d at the Metl	nod Detecti	on Limit	R	RPD outside acc	-					
RL Reporting L		imit			S	Spike Recovery	outside co	ntrol limits					
1			ected betwee				Parameter not N						

CLIENT: Work Order: Project:	Larson & 1506216 Chevron I	Associates			AN	ALYT	[CAL ( RunI)	-	UMMAR GCMS9_15		PORT
	Cilevioli I	Lanulaini					Kuiii	<b>J</b> .	GCM59_13		
Sample ID 150616	64-03CMSD	Batch ID:	70093		TestNo:	SW8	8270D		Units:	mg/Kg-di	ry
SampType: <b>MSD</b>		Run ID:	GCMS	9_150619D	Analysis	s Date: <b>6/19</b>	/2015 1:58	:00 PM	Prep Date:	6/18/2015	5
Analyte		I	Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	RPD RPD	Limit Qual
Surr: Phenol-d5			0.641		0.8013		80.0	40	125	0	0
Sample ID MB-70	093	Batch ID:	70093		TestNo:	SW8	8270D		Units:	mg/Kg	
SampType: <b>MBLK</b>		Run ID:	GCMS	9_150619D	Analysis	s Date: <b>6/19</b> /	/2015 3:54	:00 PM	Prep Date:	6/18/2015	
Analyte		I	Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit %	6RPD RPD	Limit Qual
1-Methylnaphthalen	е		ND	0.0266							N
2-Methylnaphthalen	е		ND	0.0266							
Benzo[a]pyrene			ND	0.0266							
Naphthalene			ND	0.0266							
Total Phenol (Calcu	lated)		ND	0.0266							
Surr: 2,4,6-Tribro	mophenol		0.560		0.6670		84.0	45	138		
Surr: 2-Fluorobipl	henyl		0.540		0.6670		81.0	60	135		
Surr: 2-Fluorophe	enol		0.513		0.6670		77.0	37	125		
Surr: 4-Terpheny	I-d14		0.613		0.6670		92.0	60	129		
Surr: Nitrobenzer	ne-d5		0.480		0.6670		72.0	45	125		
Surr: Phenol-d5			0.647		0.6670		97.0	40	125		

**CLIENT:** 

Larson & Associates

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 20 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates Work Order: 1506216

## ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

## RunID: GCMS9_150619D

Sample ID ICV-150619	Batch ID:	R80215		TestNo	: SW8	3270D		Units:	mg/Kg
SampType: <b>ICV</b>	Run ID:	GCMS9	_150619D	Analys	is Date: <b>6/19</b>	/2015 11:40	0:00 AM	Prep Date	9:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
1-Methylnaphthalene		3.84	0.0266	4.000	0	96.0	80	120	Ν
2-Methylnaphthalene		3.54	0.0266	4.000	0	88.5	80	120	
Benzo[a]pyrene		3.76	0.0266	4.000	0	94.0	80	120	
Naphthalene		3.67	0.0266	4.000	0	91.8	80	120	
Total Phenol (Calculated)		57.6	0.0266	0					
Surr: 2,4,6-Tribromophenol		3.62		4.000		90.5	80	120	
Surr: 2-Fluorobiphenyl		3.43		4.000		85.8	80	120	
Surr: 2-Fluorophenol		4.16		4.000		104	80	120	
Surr: 4-Terphenyl-d14		4.29		4.000		107	80	120	
Surr: Nitrobenzene-d5		4.61		4.000		115	80	120	
Surr: Phenol-d5		4.02		4.000		101	80	120	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 21 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT:		Larson & A	Associates	5		A	NALYT	ICAL (	QC SI	JMMAF	RY REPOR
Work Orde Project:	er:	1506216 Chevron La	andfarm					RunII	): (	GCMS2 1	50624A
•	in batc			ollowing s	amples: 1506	216-02C, 150	6216-03C, 15			—	
Sample ID L			Batch ID:			TestN		3260C		Units:	mg/Kg
SampType: L			Run ID:	GCMS	2_150624A	Analy	sis Date: <b>6/24</b>	/2015 11:44	1:00 AM	Prep Date:	6/24/2015
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPDLimit Q
1,1,1-Trichlord	oethan	Э		0.0233	0.00500	0.0232	0	100	68	130	
1,1,2,2-Tetrac	hloroe	thane		0.0212	0.00500	0.0232	0	91.3	59	140	
1,1,2,2-Tetrac	hloroe	thylene (PCE	)	0.0228	0.00500	0.0232	0	98.3	67	139	
1,1,2-Trichlord	oethan	e		0.0240	0.00500	0.0232	0	104	62	127	
1,1,2-Trichlord	oethyle	ne (TCE)		0.0238	0.00500	0.0232	0	102	77	124	
1,1-Dichloroet	thane			0.0232	0.00500	0.0232	0	99.8	73	125	
1,1-Dichloroet	thylene			0.0220	0.00500	0.0232	0	94.7	65	136	
1,2-Dichloroet				0.0232	0.00500	0.0232	0	99.8	72	137	
Benzene				0.0236	0.00500	0.0232	0	102	75	125	
Carbon tetrach	hloride			0.0232	0.00500	0.0232	0	100	67	133	
Chloroform				0.0238	0.00500	0.0232	0	103	72	124	
Ethylbenzene				0.0222	0.00500	0.0232	0	95.6	75	125	
Ethylene dibro				0.0222	0.00500	0.0232	0	93.7	70	124	
Methylene chl				0.0225	0.00500	0.0232	0	96.9	63	137	
Toluene	Unde			0.0223	0.00500	0.0232	0	102	75	125	
Vinyl chloride				0.0207	0.00500	0.0232	0	89.2	58	126	
Total Xylenes				0.0673	0.00500	0.0696	0	96.8	75	125	
Surr: 1,2-Di				53.3		50.00		107	52	149	
Surr: 4-Bror				50.8		50.00		102	84	118	
Surr: Dibror		romethane		55.2		50.00		110	65	135	
Surr: Toluer	ne-d8			49.7		50.00		99.5	84	116	
Sample ID M		86	Batch ID:	70186		TestN	o: <b>SW</b> 8	3260C		Units:	mg/Kg
SampType: <b>M</b>	IBLK		Run ID:	GCMS	2_150624A	Analy	sis Date: 6/24	/2015 12:42	2:00 PM	Prep Date:	6/24/2015
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6 RPD RPDLimit Q
1,1,1-Trichlord	oethan	e		ND	0.00500						
1,1,2,2-Tetrac	hloroe	thane		ND	0.00500						
1,1,2,2-Tetrac	hloroe	thylene (PCE	)	ND	0.00500						
1,1,2-Trichlord	oethan	Э		ND	0.00500						
1,1,2-Trichlord	oethyle	ne (TCE)		ND	0.00500						
1,1-Dichloroet	thane			ND	0.00500						
1,1-Dichloroet	thylene			ND	0.00500						
1,2-Dichloroet	thane			ND	0.00500						
Benzene				ND	0.00500						
Carbon tetrach	hloride			ND	0.00500						
Chloroform				ND	0.00500						
Ethylbenzene				ND	0.00500						
Ethylene dibro		FDB)		ND	0.00500						
Methylene chl				ND	0.00500						
0	-										
Qualifiers:	В	•			Method Blank	DF	Dilution Facto				
	J	Analyte dete				MDL	Method Detec				Page 22 of 3
ND Not Detected at the M	at the Met	hod Detect	ion Limit	R	RPD outside a	accepted cont	rol limits				
	RL J	Reporting Li Analyte dete				S N	Spike Recover Parameter not			8	

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#### **CLIENT:** Larson & Associates 1506216

## ANALYTICAL QC SUMMARY REPORT

Work Order: Chevron Landfarm **Project:** 

<b>RunID</b> :	GCMS2	150624A

Sample ID MB-70186	Batch ID:	70186		TestN	lo: SW8	8260C		Units:	mg/k	g
SampType: <b>MBLK</b>	Run ID:	GCMS	2_150624A	Analy	vsis Date: <b>6/24</b>	/2015 12:42	2:00 PM	Prep Date:	6/24/	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	%RPD	RPDLimit Qua
Toluene		ND	0.00500							
Vinyl chloride		ND	0.00500							
Total Xylenes		ND	0.00500							
Surr: 1,2-Dichloroethane-d4		54.3		50.00		109	52	149		
Surr: 4-Bromofluorobenzene		51.4		50.00		103	84	118		
Surr: Dibromofluoromethane		54.0		50.00		108	65	135		
Surr: Toluene-d8		49.3		50.00		98.6	84	116		
Sample ID 1506216-02CMS	Batch ID:	70186		TestN	lo: SW	3260C		Units:	mg/k	g-dry
SampType: <b>MS</b>	Run ID:	GCMS	2_150624A	Analy	vsis Date: <b>6/24</b>	/2015 3:08	:00 PM	Prep Date:	6/24/	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit 🦻	%RPD	RPDLimit Qua
1,1,1-Trichloroethane		0.0255	0.00568	0.0263	0	96.8	68	130		
1,1,2,2-Tetrachloroethane		0.0242	0.00568	0.0263	0	91.8	59	140		
1,1,2,2-Tetrachloroethylene (PC	CE)	0.0240	0.00568	0.0263	0	91.1	67	139		
1,1,2-Trichloroethane		0.0282	0.00568	0.0263	0	107	62	127		
1,1,2-Trichloroethylene (TCE)		0.0265	0.00568	0.0263	0	100	77	124		
1,1-Dichloroethane		0.0257	0.00568	0.0263	0	97.5	73	125		
1,1-Dichloroethylene		0.0239	0.00568	0.0263	0	90.8	65	136		
1,2-Dichloroethane		0.0271	0.00568	0.0263	0	103	72	137		
Benzene		0.0258	0.00568	0.0263	0	97.9	73	126		
Carbon tetrachloride		0.0252	0.00568	0.0263	0	95.6	67	133		
Chloroform		0.0267	0.00568	0.0263	0	101	72	124		
Ethylbenzene		0.0244	0.00568	0.0263	0	92.7	74	127		
Ethylene dibromide (EDB)		0.0254	0.00568	0.0263	0	96.5	70	124		
Methylene chloride		0.0254	0.00568	0.0263	0	96.3	63	137		
Toluene		0.0260	0.00568	0.0263	0	98.7	71	127		
Vinyl chloride		0.0230	0.00568	0.0263	0	87.5	58	126		
Total Xylenes		0.0740	0.00568	0.0790	0	93.6	75	125		
Surr: 1,2-Dichloroethane-d4		63.2		56.78		111	52	149		
Surr: 4-Bromofluorobenzene		57.1		56.78		101	84	118		
Surr: Dibromofluoromethane		62.5		56.78		110	65	135		
Surr: Toluene-d8		56.6		56.78		99.6	84	116		
Sample ID 1506216-02CMSD	Batch ID:	70186		TestN	lo: SW	8260C		Units:	mg/k	g-dry
SampType: <b>MSD</b>	Run ID:	GCMS	2_150624A	Analy	vsis Date: <b>6/24</b>	/2015 3:37:	:00 PM	Prep Date:	6/24/	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	it HighLimit %	%RPD	RPDLimit Qua
1,1,1-Trichloroethane		0.0242	0.00550	0.0255	0	94.8	68	130	5.25	30
1,1,2,2-Tetrachloroethane		0.0229	0.00550	0.0255	0	89.6	59	140	5.56	30
1,1,2,2-Tetrachloroethylene (PC	CE)	0.0225	0.00550	0.0255	0	88.1	67	139	6.41	30
Qualifiers: B Analyte de	etected in the a	ssociated	Method Blank	DF	Dilution Facto	or				
J Analyte de	etected betwee	n MDL an	d RL	MDL	Method Detec	tion Limit			Pa	nge 23 of 37
ND Not Detect	ted at the Met	nod Detect	ion Limit	R	RPD outside a	accepted con	trol limits			-
RL Reporting	Limit			S	Spike Recove	ry outside co	ntrol limits	3		
			DI			NEL AC				

J Analyte detected between SDL and RL

N Parameter not NELAC certified

## CLIENT:Larson & AssociatesWork Order:1506216

## ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

#### RunID: GC

GCMS2_150624A

Sample ID 1506216-02CMSD	Batch ID: 70186		TestNo	: SW8	8260C		Units:	mg/ł	۶g-dry
SampType: <b>MSD</b>	Run ID: GCMS2	2_150624A	Analys	is Date: <b>6/24</b>	/2015 3:37:	00 PM	Prep Date:	6/24	/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD	RPDLimit Qual
1,1,2-Trichloroethane	0.0263	0.00550	0.0255	0	103	62	127	6.71	30
1,1,2-Trichloroethylene (TCE)	0.0249	0.00550	0.0255	0	97.3	77	124	6.23	30
1,1-Dichloroethane	0.0242	0.00550	0.0255	0	94.9	73	125	5.82	30
1,1-Dichloroethylene	0.0229	0.00550	0.0255	0	89.6	65	136	4.43	30
1,2-Dichloroethane	0.0256	0.00550	0.0255	0	100	72	137	5.81	30
Benzene	0.0243	0.00550	0.0255	0	95.3	73	126	5.90	30
Carbon tetrachloride	0.0237	0.00550	0.0255	0	92.7	67	133	6.20	30
Chloroform	0.0251	0.00550	0.0255	0	98.2	72	124	6.29	30
Ethylbenzene	0.0225	0.00550	0.0255	0	88.3	74	127	7.99	30
Ethylene dibromide (EDB)	0.0239	0.00550	0.0255	0	93.4	70	124	6.36	30
Methylene chloride	0.0233	0.00550	0.0255	0	91.4	63	137	8.28	30
Toluene	0.0243	0.00550	0.0255	0	95.3	71	127	6.60	30
Vinyl chloride	0.0214	0.00550	0.0255	0	83.7	58	126	7.52	30
Total Xylenes	0.0686	0.00550	0.0766	0	89.5	75	125	7.56	30
Surr: 1,2-Dichloroethane-d4	61.0		55.03		111	52	149	0	0
Surr: 4-Bromofluorobenzene	56.8		55.03		103	84	118	0	0
Surr: Dibromofluoromethane	60.5		55.03		110	65	135	0	0
Surr: Toluene-d8	55.2		55.03		100	84	116	0	0

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 24 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates Work Order: 1506216

## ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

## RunID: GCMS2_150624A

Sample ID ICV-150624	Batch ID:	R80271		TestNo	: <b>SW</b> 8	3260C		Units:	mg/Kg
SampType: <b>ICV</b>	Run ID:	GCMS2	_150624A	Analysi	s Date: <b>6/24</b>	/2015 11:15	:00 AM	Prep Date	e:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	t HighLimit	%RPD RPDLimit Qual
1,1,1-Trichloroethane		0.0466	0.00500	0.0464	0	101	80	120	
1,1,2,2-Tetrachloroethane		0.0436	0.00500	0.0464	0	94.1	80	120	
1,1,2,2-Tetrachloroethylene (PCE	)	0.0440	0.00500	0.0464	0	94.8	80	120	
1,1,2-Trichloroethane		0.0503	0.00500	0.0464	0	108	80	120	
1,1,2-Trichloroethylene (TCE)		0.0483	0.00500	0.0464	0	104	80	120	
1,1-Dichloroethane		0.0460	0.00500	0.0464	0	99.1	80	120	
1,1-Dichloroethylene		0.0442	0.00500	0.0464	0	95.2	80	120	
1,2-Dichloroethane		0.0465	0.00500	0.0464	0	100	80	120	
Benzene		0.0470	0.00500	0.0464	0	101	80	120	
Carbon tetrachloride		0.0472	0.00500	0.0464	0	102	80	120	
Chloroform		0.0476	0.00500	0.0464	0	103	80	120	
Ethylbenzene		0.0454	0.00500	0.0464	0	97.9	80	120	
Ethylene dibromide (EDB)		0.0446	0.00500	0.0464	0	96.1	80	120	
Methylene chloride		0.0465	0.00500	0.0464	0	100	80	120	
Toluene		0.0485	0.00500	0.0464	0	104	80	120	
Vinyl chloride		0.0431	0.00500	0.0464	0	93.0	80	120	
Total Xylenes		0.139	0.00500	0.139	0	99.9	80	120	
Surr: 1,2-Dichloroethane-d4		52.3		50.00		105	52	149	
Surr: 4-Bromofluorobenzene		50.0		50.00		100	84	118	
Surr: Dibromofluoromethane		53.3		50.00		107	65	135	
Surr: Toluene-d8		48.0		50.00		95.9	84	116	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 25 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates

## 1506216

## ANALYTICAL QC SUMMARY REPORT

IC3_150626A

**RunID:** 

Project: Chevron Landfarm

Work Order:

The QC data in batch 70223 applies to the following samples: 1506216-01A, 1506216-02A, 1506216-03A, 1506216-04A, 1506216-05A, 1506216-06A, 1506216-07A

Sample ID	LCS-70	223	Batch ID:	70223		TestNo	D: <b>E30</b>	D		Units:	mg/K	g	
SampType:	LCS		Run ID:	IC3_150	0626A	Analys	is Date: <b>6/26</b>	/2015 11:17	7:01 AM	Prep Date	6/26/2	015	
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit	t Qua
Chloride				49.6	5.00	50.00	0	99.1	80	120			
Fluoride				20.2	1.00	20.00	0	101	80	120			
Nitrate-N				25.0	5.00	25.00	0	99.8	80	120			
Sulfate				155	10.0	150.0	0	103	80	120			
Sample ID	LCSD-7	0223	Batch ID:	70223		TestNo	D: <b>E30</b>	D		Units:	mg/K	9	
SampType:	LCSD		Run ID:	IC3_150	0626A	Analys	is Date: <b>6/26</b>	/2015 11:40	):30 AM	Prep Date	: 6/26/2	2015	
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit	t Qual
Chloride				48.6	5.00	50.00	0	97.3	80	120	1.83	20	
Fluoride				20.0	1.00	20.00	0	100	80	120	0.747	20	
Nitrate-N				24.7	5.00	25.00	0	98.8	80	120	1.01	20	
Sulfate				148	10.0	150.0	0	98.7	80	120	4.49	20	
Sample ID	MB-702	23	Batch ID:	70223		TestNo	D: <b>E30</b>	D		Units:	mg/K	9	
SampType:	MBLK		Run ID:	IC3_150	0626A	Analys	is Date: <b>6/26</b>	/2015 12:21	1:43 PM	Prep Date	: 6/26/2	2015	
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit	t Qual
Chloride				ND	5.00								
Fluoride				ND	1.00								
Nitrate-N				ND	5.00								
				ND ND	5.00 10.0								
Sulfate	150621	6-07AMS	Batch ID:			TestNo	D: <b>E30</b>	0		Units:	mg/K	g-dry	
Sulfate Sample ID		6-07AMS	Batch ID: Run ID:	ND	10.0		o: <b>E30</b> sis Date: <b>6/26</b>		40 PM	Units: Prep Date	•		
Sulfate		6-07AMS		ND 70223	10.0						: 6/26/2	2015	t Qual
Sulfate Sample ID SampType: Analyte		6-07AMS		ND 70223 IC3_150	10.0 0626A	Analys	is Date: 6/26	/2015 3:10:		Prep Date	: 6/26/2	2015	t Qual
Sulfate Sample ID SampType:		6-07AMS		ND 70223 IC3_150 Result 158 94.9	10.0 0626A RL 6.21 1.24	Analys SPK value 124.2 124.2	ris Date: <b>6/26</b> Ref Val 16.49 4.095	/2015 3:10: %REC 114 73.1	LowLim	Prep Date it HighLimit 120 120	: 6/26/2	2015	t Qual
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N		6-07AMS		ND 70223 IC3_150 Result 158 94.9 54.6	10.0 D626A RL 6.21 1.24 6.21	Analys SPK value 124.2 124.2 28.05	is Date: <b>6/26</b> Ref Val 16.49 4.095 17.74	/2015 3:10: %REC 114 73.1 131	LowLim 80 80 80	Prep Date it HighLimit 120 120 120	: 6/26/2	2015	S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N		6-07AMS		ND 70223 IC3_150 Result 158 94.9	10.0 0626A RL 6.21 1.24	Analys SPK value 124.2 124.2	ris Date: <b>6/26</b> Ref Val 16.49 4.095	/2015 3:10: %REC 114 73.1	LowLim 80 80	Prep Date it HighLimit 120 120	: 6/26/2	2015	S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate	MS	6-07AMS 6-07AMSD		ND 70223 IC3_150 Result 158 94.9 54.6	10.0 D626A RL 6.21 1.24 6.21	Analys SPK value 124.2 124.2 28.05	is Date: <b>6/26</b> Ref Val 16.49 4.095 17.74 141.6	/2015 3:10: %REC 114 73.1 131 138	LowLim 80 80 80	Prep Date it HighLimit 120 120 120	: 6/26/2	2015 PDLimit	S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID	MS 1506210		Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313	10.0 D626A RL 6.21 1.24 6.21 12.4	Analys SPK value 124.2 124.2 28.05 124.2 TestNo	is Date: <b>6/26</b> Ref Val 16.49 4.095 17.74 141.6	/2015 3:10: %REC 114 73.1 131 138	LowLim 80 80 80 80	Prep Date it HighLimit 120 120 120 120	: 6/26/2 %RPD R mg/K	2015 PDLimit	S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType:	MS 1506210		Run ID: Batch ID: Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223	10.0 D626A RL 6.21 1.24 6.21 12.4	Analys SPK value 124.2 124.2 28.05 124.2 TestNo	tis Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E30	/2015 3:10: %REC 114 73.1 131 138	LowLim 80 80 80 80 11 PM	Prep Date it HighLimit 120 120 120 120 Units:	: 6/26/2 %RPD R mg/Kg : 6/26/2	g-dry	S S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte Chloride	MS 1506210		Run ID: Batch ID: Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result 156	10.0 0626A RL 6.21 1.24 6.21 1.24 6.21 12.4 0626A RL 5.50	Analys SPK value 124.2 28.05 124.2 TestNo Analys SPK value 110.0	is Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E300 Dis Date: 6/26 Ref Val 16.49	/2015 3:10: %REC 114 73.1 131 138 0 /2015 3:34: %REC 127	LowLim 80 80 80 80 11 PM LowLim 80	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit 120	: 6/26/2 %RPD R mg/Kg : 6/26/2 %RPD R 1.08	g-dry 2015 29DLimit 2015 2015 20	S S S t Qual
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte	MS 1506210		Run ID: Batch ID: Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result	10.0 D626A RL 6.21 1.24 6.21 12.4 D626A RL	Analys SPK value 124.2 124.2 28.05 124.2 TestNo Analys	is Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E30 Sis Date: 6/26 Ref Val	/2015 3:10: %REC 114 73.1 131 138 0 /2015 3:34: %REC	LowLim 80 80 80 80 11 PM LowLim	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit	: 6/26/2 %RPD R mg/Kg : 6/26/2 %RPD R	g-dry PDLimit	S S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte Chloride Fluoride	MS 1506210		Run ID: Batch ID: Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result 156	10.0 0626A RL 6.21 1.24 6.21 1.24 6.21 12.4 0626A RL 5.50	Analys SPK value 124.2 28.05 124.2 TestNo Analys SPK value 110.0	is Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E300 Dis Date: 6/26 Ref Val 16.49	/2015 3:10: %REC 114 73.1 131 138 0 /2015 3:34: %REC 127	LowLim 80 80 80 80 11 PM LowLim 80	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit 120	: 6/26/2 %RPD R mg/Kg : 6/26/2 %RPD R 1.08	g-dry 2015 29DLimit 2015 2015 20	S S S t Qual
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte Chloride	MS 1506210	6-07AMSD	Run ID: Batch ID: Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result 156 86.2 61.5	10.0 0626A RL 6.21 1.24 6.21 1.24 6.21 12.4 0626A RL 5.50 1.10	Analys SPK value 124.2 28.05 124.2 TestNo Analys SPK value 110.0 110.0 24.83	is Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E300 Dis Date: 6/26 Ref Val 16.49 4.095	/2015 3:10: %REC 114 73.1 131 138 /2015 3:34: %REC 127 74.7 176	LowLim 80 80 80 11 PM LowLim 80 80	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit 120 120	: 6/26/2 %RPD R : 6/26/2 : 6/26/2 %RPD R 1.08 9.58	2015 PDLimit 9-dry 2015 PDLimit 20 20	S S t Qual S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N	MS 1506210 MSD	6-07AMSD	Run ID: Batch ID: Run ID:	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result 156 86.2 61.5 ssociated M	10.0 0626A RL 6.21 1.24 6.21 12.4 0626A RL 5.50 1.10 5.50 1.10 5.50	Analys SPK value 124.2 28.05 124.2 TestNo Analys SPK value 110.0 110.0 24.83	is Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E300 Sis Date: 6/26 Ref Val 16.49 4.095 17.74	/2015 3:10: %REC 114 73.1 131 138 0 /2015 3:34: %REC 127 74.7 176 ^{yr}	LowLim 80 80 80 11 PM LowLim 80 80	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit 120 120	: 6/26/2 %RPD R : 6/26/2 : 6/26/2 %RPD R 1.08 9.58 11.9	2015 PDLimit 29-dry 2015 2020 2020	S S t Qua S S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N	MS 1506210 MSD B	6-07AMSD Analyte dete Analyte dete	Run ID: Batch ID: Run ID: ected in the a	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result 156 86.2 61.5 ssociated M n MDL and	10.0 0626A RL 6.21 1.24 6.21 1.24 6.21 12.4 0626A RL 5.50 1.10 5.50 1.10 5.50 1.10 5.50	Analys SPK value 124.2 28.05 124.2 TestNo Analys SPK value 110.0 110.0 24.83	bis Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E300 Dis Date: 6/26 Ref Val 16.49 4.095 17.74 Dilution Factor	/2015 3:10: %REC 114 73.1 131 138 0 /2015 3:34: %REC 127 74.7 176 or tion Limit	LowLim 80 80 80 11 PM LowLim 80 80 80	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit 120 120	: 6/26/2 %RPD R : 6/26/2 : 6/26/2 %RPD R 1.08 9.58 11.9	2015 PDLimit 9-dry 2015 PDLimit 20 20	S S t Qual S S S
Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N Sulfate Sample ID SampType: Analyte Chloride Fluoride Nitrate-N	MS 1506210 MSD B J	6-07AMSD Analyte dete Analyte dete	Run ID: Batch ID: Run ID: ected in the a ected between d at the Meth	ND 70223 IC3_150 Result 158 94.9 54.6 313 70223 IC3_150 Result 156 86.2 61.5 ssociated M n MDL and	10.0 0626A RL 6.21 1.24 6.21 1.24 6.21 12.4 0626A RL 5.50 1.10 5.50 1.10 5.50 1.10 5.50	Analys SPK value 124.2 28.05 124.2 TestNo Analys SPK value 110.0 110.0 24.83 DF MDL R	bis Date: 6/26 Ref Val 16.49 4.095 17.74 141.6 D: E300 Dis Date: 6/26 Ref Val 16.49 4.095 17.74 Dilution Factor Method Detector	/2015 3:10: %REC 114 73.1 131 138 0 /2015 3:34: %REC 127 74.7 176 or tion Limit accepted cont	LowLim 80 80 80 11 PM LowLim 80 80 80	Prep Date it HighLimit 120 120 120 Units: Prep Date it HighLimit 120 120	: 6/26/2 %RPD R : 6/26/2 : 6/26/2 %RPD R 1.08 9.58 11.9	2015 PDLimit 29-dry 2015 2020 2020	S S t Qual S S S

# CLIENT:Larson & AssociatesWork Order:1506216Project:Chevron Landfarm

## ANALYTICAL QC SUMMARY REPORT

RunID: IC3_150626A

Sample ID 1506216-07AMSD	Batch ID: 70223		TestNo	): <b>E</b> :	300		Units:	mg/	Kg-dry		
SampType: <b>MSD</b>	ISD Run ID: IC3_150626A				Analysis Date: 6/26/2015 3:34:11 PM			Prep Date: 6/26/2015			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLim	it Qual
Sulfate		337	11.0	110.0	141.6	178	80	120	7.33	20	S

**Qualifiers:** В Analyte detected in the associated Method Blank DF Dilution Factor Analyte detected between MDL and RL MDL Method Detection Limit Page 27 of 37 J ND Not Detected at the Method Detection Limit RPD outside accepted control limits R RL Reporting Limit  $\mathbf{S}$ Spike Recovery outside control limits J Analyte detected between SDL and RL Ν Parameter not NELAC certified

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#### CLIENT: Larson & Associates Work Order: 1506216

## ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

## RunID: IC3_150626A

Sample ID ICV-150626	Batch ID:	R80339		TestNo	: E30	0		Units:	mg/Kg
SampType: <b>ICV</b>	Run ID:	IC3_150	626A	Analysi	s Date: <b>6/26</b>	/2015 10:51	:19 AM	Prep Date	9:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
Chloride		2.60	5.00	2.500	0	104	90	110	
Fluoride		1.05	1.00	1.000	0	105	90	110	
Nitrate-N		1.32	5.00	1.250	0	106	90	110	
Sulfate		7.68	10.0	7.500	0	102	90	110	
Sample ID CCV1-150626	Batch ID:	R80339		TestNo	: E30	0		Units:	mg/Kg
SampType: <b>ССV</b>	Run ID:	IC3_150	626A	Analysi	s Date: <b>6/26</b>	/2015 4:15:	24 PM	Prep Date	9:
Analyte		Result	RL	SPK value	Ref Val	%REC	I owl im	it Highl imit	%RPD RPDLimit Qual
Analyte		Result	RL	OF IN VALUE			Lonenn	it ingricinit	
Chloride		1.00	5.00	1.000	0	100	90	110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
-									///////////////////////////////////////
Chloride		1.00	5.00	1.000	0	100	90	110	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 28 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates

1506216

## ANALYTICAL QC SUMMARY REPORT

**RunID:** 

IR207_150625A

Project: Chevron Landfarm

Work Order:

The QC data in batch 70217 applies to the following samples: 1506216-01A, 1506216-02A, 1506216-03A, 1506216-04A, 1506216-05A, 1506216-06A, 1506216-07A

Sample ID ICV-150625	Batch ID:	70217		TestNo:	E41	8.1		Units:	mg/Kg	
SampType: <b>ICV</b>	Run ID:	IR207_1	50625A	Analysis	a Date: 6/25	5/2015 3:50:	00 PM	Prep Date:		
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLim	nit Qual
Petroleum Hydrocarbons, TR		232	10.0	250.0	0	92.8	90	110		Ν
Sample ID MB-70217	Batch ID:	70217		TestNo:	E41	8.1		Units:	mg/Kg	
SampType: <b>MBLK</b>	Run ID:	IR207_1	50625A	Analysis	a Date: 6/25	5/2015 3:50:	00 PM	Prep Date:	6/25/2015	
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		ND	10.0							Ν
Sample ID LCS-70217	Batch ID:	70217		TestNo:	E41	8.1		Units:	mg/Kg	
SampType: <b>LCS</b>	Run ID:	IR207_1	50625A	Analysis	a Date: 6/25	5/2015 3:50:	00 PM	Prep Date:	6/25/2015	
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		91.9	10.0	100.0	0	91.9	80	120		Ν
Sample ID 1506216-02AMS	Batch ID:	70217		TestNo:	E41	8.1		Units:	mg/Kg-dry	
SampType: <b>MS</b>	Run ID:	IR207_1	50625A	Analysis	a Date: 6/25	5/2015 3:50:	00 PM	Prep Date:	6/25/2015	
Analyte	F	Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		89.5	10.7	107.5	0	83.3	80	120		Ν
Sample ID 1506216-02AMSD	Batch ID:	70217		TestNo:	E41	8.1		Units:	mg/Kg-dry	
SampType: <b>MSD</b>										
1 31 -	Run ID:	IR207_1	50625A	Analysis	a Date: 6/25	5/2015 3:50:	00 PM	Prep Date:	6/25/2015	
Analyte		IR207_1 Result	50625A RL	Analysis SPK value	Bate: 6/25	5/2015 3:50: %REC		•	6/25/2015 %RPD RPDLin	nit Qual
	F	_		-				•		nit Qual N
Analyte	F	Result	RL	SPK value	Ref Val 0	%REC 81.1	LowLim	t HighLimit	%RPD RPDLin	
Analyte Petroleum Hydrocarbons, TR	F	Result 90.4	RL 11.1	SPK value 111.5 TestNo:	Ref Val 0 E41	%REC 81.1	LowLimi 80	it HighLimit 4	%RPD RPDLin 1.01 20 mg/Kg	
Analyte Petroleum Hydrocarbons, TR Sample ID <b>CCV-150625</b>	Run ID:	Result 90.4 <b>70217</b>	RL 11.1	SPK value 111.5 TestNo:	Ref Val 0 E41	%REC 81.1 <b>8.1</b>	LowLimi 80 00 PM	t HighLimit 4 120 Units: Prep Date:	%RPD RPDLin 1.01 20 mg/Kg	N
Analyte Petroleum Hydrocarbons, TR Sample ID CCV-150625 SampType: CCV	Batch ID: Run ID: F	Result 90.4 70217 IR207_1	RL 11.1 50625A	SPK value 111.5 TestNo: Analysis	Ref Val 0 E41 5 Date: 6/25	%REC 81.1 8.1 5/2015 3:50:	LowLimi 80 00 PM	t HighLimit 4 120 Units: Prep Date:	%RPD RPDLin 1.01 20 mg/Kg	N

Qualifiers: Analyte detected in the associated Method Blank Dilution Factor В DF Analyte detected between MDL and RL MDL Method Detection Limit J Page 29 of 37 Not Detected at the Method Detection Limit ND R RPD outside accepted control limits RL Reporting Limit  $\mathbf{S}$ Spike Recovery outside control limits Analyte detected between SDL and RL Ν Parameter not NELAC certified J

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CLIENT: Work Order: Project: The QC data in bate	1506216 Chevron I			es: 1506			RunID:	Р	MMAR H_150623		PORT
Sample ID 150619	9-01A-DUP	Batch ID:	70157		TestNo:	SW9	045D		Units:	pH Unit	s@21.6°C
SampType: <b>DUP</b>		Run ID:	PH_1506234	4	Analysis	Date: 6/23/2	2015 4:30:00	PM	Prep Date:	6/23/20	15
Analyte			Result	RL	SPK value	Ref Val	%REC L	_owLimit	t HighLimit %	RPD RP	DLimit Qual
рН			7.20	0	0	7.140				0.837	5
Sample ID 150619	9-02A-DUP	Batch ID:	70157		TestNo:	SW9	045D		Units:	pH Unit	s@21.3°C
SampType: <b>DUP</b>		Run ID:	PH_1506234	4	Analysis	Date: 6/23/	2015 4:30:00	PM	Prep Date:	6/23/20	15
Analyte			Result	RL	SPK value	Ref Val	%REC L	_owLimit	t HighLimit %	RPD RP	DLimit Qual
pН			8.30	0	0	8.190				1.33	5

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 30 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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	Larson & Associates 1506216			AN	ALYT	ICAL (	QC SI	JMMAR	Y REPORT
	Chevron Landfarm					RunII	): I	PH_150623	A
Sample ID ICV1-15	0623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21.2°C
SampType: <b>ICV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		2.00	0	2.000	0	100	99	101	
Sample ID ICV2-15	0623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21.2°C
SampType: <b>ICV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		3.97	0	4.000	0	99.2	99	101	
Sample ID ICV3-15	0623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21.2°C
SampType: <b>ICV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		6.97	0	7.000	0	99.6	99	101	
Sample ID ICV4-15	0623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21.3°C
SampType: <b>ICV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		10.0	0	10.00	0	100	99	101	
Sample ID ICV5-15	0623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21.2°C
SampType: <b>ICV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		11.9	0	12.00	0	99.5	99	101	
Sample ID SSCV-1	50623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21.2°C
SampType: <b>ICV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		6.97	0	7.000	0	99.6	99	101	
Sample ID CCV1-1	50623 Batch ID:	PH_S-42178	3	TestNo	sws	9045D		Units:	pH Units@21°C
SampType: <b>ССV</b>	Run ID:	PH_150623	Α	Analysi	s Date: <b>6/23</b>	/2015 4:30:	00 PM	Prep Date:	6/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLimit Qual
рН		6.99	0	7.000	0	99.9	97.1	102.9	

Qualifiers: В Analyte detected in the associated Method Blank DF Dilution Factor J Analyte detected between MDL and RL MDL Method Detection Limit Page 31 of 37 ND Not Detected at the Method Detection Limit R RPD outside accepted control limits RL Reporting Limit  $\mathbf{S}$ Spike Recovery outside control limits J Analyte detected between SDL and RL Ν Parameter not NELAC certified

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CLIENT: Work Order: Project:	Larson & 1506216 Chevron I	Associates Landfarm	3		ANALYTICAL QC SUMMARY REPORT RunID: PH_150623A								
Sample ID CCV2-	150623	Batch ID:	PH_S-42178	;	TestNo:	SWS	9045D		Units:	pH Units@20.8°C			
SampType: <b>CCV</b>		Run ID:	PH_150623/	4	Analysis	Date: 6/23	/2015 4:30:	00 PM	Prep Date:	6/23/2015			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual			
рН			6.98	0	7.000	0	99.7	97.1	102.9				
Sample ID CCV3-	150623	Batch ID:	PH_S-42178	;	TestNo:	SWS	9045D		Units:	pH Units@20.9°C			
SampType: <b>CCV</b>		Run ID:	PH_150623/	4	Analysis	Date: 6/23	/2015 4:30:	00 PM	Prep Date:	6/23/2015			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD RPDLimit Qual			
рН			6.99	0	7.000	0	99.9	97.1	102.9				

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 32 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Work Order:	Larson & 1506216	Associates			ANALYTICAL QC SUMMARY REPOR						EPORT
Project:	Chevron I	andfarm					RunII	): I	PMOIST_	1506231	В
The QC data in batch 70166 applies to the following samples: 1506216-01B, 1506216-02B, 1506216-03B, 1506216-04B, 1506216-05B, 1506216- 06B, 1506216-07B											
Sample ID 15062	50-10B-DUP	Batch ID:	70166		TestNo	D221	6		Units:	WT%	
SampType: <b>DUP</b>		Run ID:	PMOIST	_150623B	Analysi	s Date: <b>6/24/</b>	2015 11:00	0:00 AM	Prep Date:	6/23/20	)15
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	6RPD RF	PDLimit Qual
Percent Moisture			13.2	0	0	12.93				2.35	30

Qualifiers: I	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 33 of 37
N	JD	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
R	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

#### CLIENT: Larson & Associates

1506216

## ANALYTICAL QC SUMMARY REPORT

TITRATOR_150626A

**RunID:** 

Project: Chevron Landfarm

Work Order:

Sample ID MB-70204	Batch ID:	70204		TestNo:	M232	20 B		Units:	mg/L (	) pH 4.51
SampType: <b>MBLK</b>	Run ID:	TITRATOR	_150626A	Analysis	8 Date: <b>6/26</b> /	2015 9:55:	00 AM	Prep Date:	6/25/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD R	PDLimit Qual
Alkalinity, Bicarbonate (As CaCO	3)	ND	50.0							
Alkalinity, Carbonate (As CaCO3	)	ND	50.0							
Alkalinity, Hydroxide (As CaCO3)	1	ND	50.0							
Alkalinity, Total (As CaCO3)		ND	50.0							
Sample ID LCS-70204	Batch ID:	70204		TestNo:	M232	20 B		Units:	mg/L (	⊉ pH 4.52
SampType: <b>LCS</b>	Run ID:	TITRATOR	_150626A	Analysis	a Date: <b>6/26</b> /	2015 10:00	:00 AM	Prep Date:	6/25/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD R	PDLimit Qual
Alkalinity, Total (As CaCO3)		294	50.0	250.0	0	118	81.6	123		
Sample ID 1506216-06B DUP	Batch ID:	70204		TestNo:	M232	20 B		Units:	mg/L (	) pH 4.51-dr
SampType: <b>DUP</b>	Run ID:	TITRATOR	_150626A	Analysis	a Date: <b>6/26</b> /	2015 10:20	:00 AM	Prep Date:	6/25/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	6RPD R	PDLimit Qual
Alkalinity, Bicarbonate (As CaCO	3)	117	55.5	0	136.5				15.7	0
Alkalinity, Carbonate (As CaCO3	)	0	55.5	0	0				0	0
Alkalinity, Hydroxide (As CaCO3)	)	0	55.5	0	0				0	0
Alkalinity, Total (As CaCO3)		117	55.5	0	136.5				15.7	25

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 34 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Work Order: Project:	Larson & 1506216 Chevron L				AN	ALYTI	CAL ( RunII	-		<b>RY REPORT</b> R_150626A
Sample ID ICV-15	0626	Batch ID:	R80309		TestNo:	M232	20 B		Units:	mg/L @ pH 4.53
SampType: <b>ICV</b>		Run ID:	TITRATOR	_150626A	Analysis	s Date: 6/26/	2015 9:52:	00 AM	Prep Date:	6/26/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RPDLimit Qual
Alkalinity, Bicarbona	ate (As CaCC	3)	22.4	20.0	0					
Alkalinity, Carbonat	e (As CaCO3	)	77.4	20.0	0					
Alkalinity, Hydroxide	e (As CaCO3)	)	0	20.0	0					
Alkalinity, Total (As	CaCO3)		99.8	20.0	100.0	0	99.8	98	102	
Sample ID CCV1-	150626	Batch ID:	R80309		TestNo:	M232	20 B		Units:	mg/L @ pH 4.52
SampType: <b>CCV</b>		Run ID:	TITRATOR	_150626A	Analysis	a Date: 6/26/	2015 10:35	5:00 AM	Prep Date:	6/26/2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RPDLimit Qual
Alkalinity, Bicarbona	ate (As CaCC	3)	21.6	20.0	0					
Alkalinity, Carbonat	e (As CaCO3	)	79.4	20.0	0					
Alkalinity, Hydroxide	e (As CaCO3)	)	0	20.0	0					

100.0

0

101

90

110

Alkalinity, Total (As CaCO3)

101

20.0

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 35 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: L	arson & Associates			ALYTI	CALO		IMMAE	V PFI	PORT
Work Order: 15	506216								UNI
Project: C	hevron Landfarm				RunII	): U	JV/VIS_2	_150625B	6
The QC data in batch 7	0208 applies to the fo	ollowing samples: 150	6216-02E, 1506	216-03E, 1506	6216-04E,	1506216	-06B		
Sample ID MB-70208	Batch ID:	70208	TestNo	: SW90	14		Units:	mg/Kg	
SampType: <b>MBLK</b>	Run ID:	UV/VIS_2_150625E	B Analysi	s Date: <b>6/25/2</b>	015 2:33:	00 PM	Prep Date:	6/25/2015	5
Analyte		Result RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPD	Limit Qual
Cyanide, Amenable to Cyanide, Total	Chlorination	ND0.478ND0.478							
Sample ID 1506216-0	2EMS Batch ID:	70208	TestNo	: SW90	14		Units:	mg/Kg-dı	у
SampType: <b>MS</b>	Run ID:	UV/VIS_2_150625E	B Analysi	s Date: <b>6/25/2</b>	2015 2:33:	00 PM	Prep Date:	6/25/2015	5
Analyte		Result RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPD	Limit Qual
Cyanide, Total		4.58 0.540	5.404	0	84.7	75	125		
Sample ID 1506216-0	2EMSD Batch ID:	70208	TestNo	: SW90	14		Units:	mg/Kg-dı	у
SampType: <b>MSD</b>	Run ID:	UV/VIS_2_150625E	B Analysi	s Date: <b>6/25/2</b>	015 2:38:	00 PM	Prep Date:	6/25/2015	5
Analyte		Result RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPD	Limit Qual
Cyanide, Total		4.83 0.559	5.589	0	86.4	75	125	5.38	30
Sample ID LCS2-702	08 Batch ID:	70208	TestNo	: SW90	14		Units:	mg/Kg	
SampType: <b>LCS</b>	Run ID:	UV/VIS_2_150625E	Analysi	s Date: <b>6/26/2</b>	015 10:43	8:00 AM	Prep Date:	6/25/2015	5
Analyte		Result RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD RPD	Limit Qual
Cyanide, Total		4.11 0.481	4.808	0	85.4	85	115		

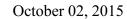
Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 36 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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CLIENT: Work Order:	Larson & 1506216	Associates	5		AN	ALYT	ICAL (	QC SI	UMMA	RY REPORT
Project:	Chevron l	Landfarm					RunII	): I	UV/VIS_2	2_150625B
Sample ID ICV-1	50625	Batch ID:	R80292		TestNo:	SWS	9014		Units:	mg/Kg
SampType: <b>ICV</b>		Run ID:	UV/VIS_2	_150625B	Analysis	Date: 6/25	5/2015 2:33:	00 PM	Prep Date	9:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
Cyanide, Total			0.0985	0.500	0.1000	0	98.5	85	115	
Sample ID CCV1	-150625	Batch ID:	R80292		TestNo:	SWS	9014		Units:	mg/Kg
SampType: <b>CCV</b>		Run ID:	UV/VIS_2	_150625B	Analysis	Date: 6/25	5/2015 2:44:	00 PM	Prep Date	9:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
Cyanide, Total			0.180	0.500	0.2000	0	89.9	85	115	
Sample ID ICV2-	150626	Batch ID:	R80292		TestNo:	SWS	9014		Units:	mg/Kg
SampType: <b>ICV</b>		Run ID:	UV/VIS_2	_150625B	Analysis	Date: 6/26	6/2015 10:43	:00 AM	Prep Date	9:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
Cyanide, Total			0.0933	0.500	0.1000	0	93.3	85	115	
Sample ID CCV2	-150626	Batch ID:	R80292		TestNo:	SWS	9014		Units:	mg/Kg
SampType: <b>CCV</b>		Run ID:	UV/VIS_2	_150625B	Analysis	Date: 6/26	6/2015 10:43	:00 AM	Prep Date	9:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qual
Cyanide, Total			0.203	0.500	0.2000	0	101	85	115	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 37 of 37
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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Kimberly Huckaba Larson & Associates 507 N. Marienfeld #200 Midland, TX 79701 TEL: (432) 687-0901 FAX (432) 687-0456 RE: Chevron Landfarm

Order No.: 1509201

Dear Kimberly Huckaba:

DHL Analytical, Inc. received 14 sample(s) on 9/23/2015 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont General Manager

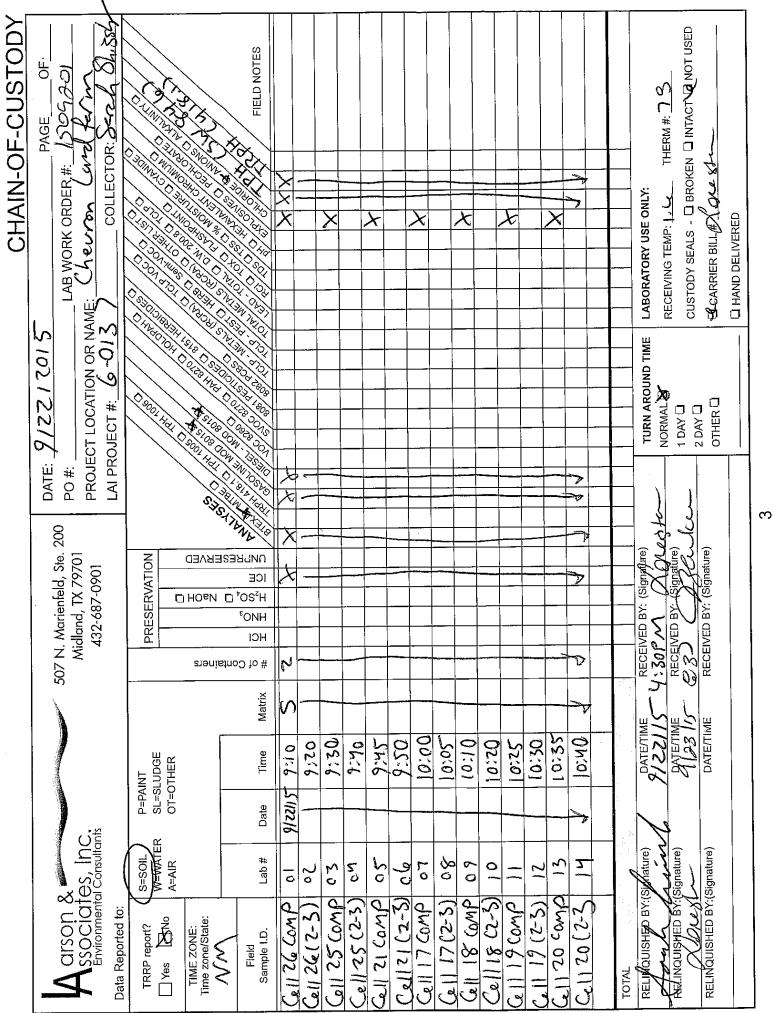
This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-15



2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229 www.dhlanalytical.com

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PrepDatesReport 1509201	
AnalyticalDatesReport 1509201	
Analytical Report 1509201	
AnalyticalQCSummaryReport 1509201	



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C	Print Name (Person) Print Name (Person) P.O. Box pr. D. Box Zp P.O. Box pr. P.O. Box Zp P.O. Box pr. P.O. Box Zp P. Box pr. P.O. Box Zp Prentight anst clines any Next Doy must clines Bry Next Doy any second responsible for thout Delivery Signature thout Delivery Signature	
	Totol     Print Name (Personany Name)       Company Name     Print Name (Personany Name)       Company Name     A A A A A A A A A A A A A A A A A A A	

	Sample	Receipt Che	cklist				
Client Name Larson & Associates			Date Rece	eived:	9/23/20	15	
Work Order Number 1509201			Received b	y JB			
Checklist completed by:	9/23/20 Date Carrier name	15 LoneStar	_ Reviewed I	by <u>bl</u>	)	9/23/2015 Date	
		<b></b>	_		_		
Shipping container/cooler in good condition?		Yes 🗹	No 🗌	Not Pres			
Custody seals intact on shippping container/co	oler?	Yes 🛄	No 🗌	Not Pres			
Custody seals intact on sample bottles?		Yes	No 🗌	Not Pres	ent 🗹		
Chain of custody present?		Yes 🔽	No 🗌				
Chain of custody signed when relinquished and	l received?	Yes 🗹	No 🗌				
Chain of custody agrees with sample labels?		Yes 🗹	No 🗌				
Samples in proper container/bottle?		Yes 🗹	Νο				
Sample containers intact?		Yes 🗹	No 🗌				
Sufficient sample volume for indicated test?		Yes 🗹	No 🗔				
All samples received within holding time?		Yes 🗹	No 🗌				
Container/Temp Blank temperature in complian	ice?	Yes 🔽	No 🗌	1.6 °C			
Water - VOA vials have zero headspace?		Yes 🗌	Νο	No VOA via	ils submitte	d 🗹	
Water - pH<2 acceptable upon receipt?		Yes 🗌	No 🗌	NA 🗹	LOT #		
		Adjusted?		Checke	d by		
Water - ph>9 (S) or ph>12 (CN) acceptable upo	on receipt?	Yes 🗌	No 🗌	NA 🗹	LOT #		
		Adjusted?		Checke	d by		
Any No response must be detailed in the comm	nents section below.						
Client contacted	Date contacted:		Per	son contacte	 ed		
Contacted by:	Regarding						
Comments:							
		······					
		······					
Corrective Action	<u> </u>						
						·····	<u> </u>
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CLIENT:Larson & AssociatesProject:Chevron LandfarmLab Order:1509201

## CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method M8015D - DRO Analysis Method M8015V - GRO Analysis Method E418.1 - Total Recoverable Petroleum Hydrocarbons Analysis (This Parameter is not NELAC Certified) Method SW8021B - Volatile Organics by GC Analysis Method E300 - Anions Analysis Method D2216 - Percent Moisture Analysis

## LOG IN

The samples were received and log-in performed on 9/23/2015. A total of 14 samples were received and analyzed. The samples arrived in good condition and were properly packaged. The samples were collected in Mountain Standard Time.

## DRO ANALYSIS

For DRO Analysis, the recovery of surrogate Isopropylbenzene for the Matrix Spike and Matrix Spike Duplicate (1509201-08 MS/MSD) was below the method control limits. These are flagged accordingly in the QC Summary Report. The remaining surrogate for these samples was within method control limits. No further corrective action was taken.

CLIENT: Project: Lab Order:	Larson & Associates Chevron Landfarm 1509201		Work Order Sample	Summary
Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1509201-01	Cell 26 (comp)		09/22/15 09:10 AM	9/23/2015
1509201-02	Cell 26 (2-3)		09/22/15 09:20 AM	9/23/2015
1509201-03	Cell 25 (comp)		09/22/15 09:30 AM	9/23/2015
1509201-04	Cell 25 (2-3)		09/22/15 09:40 AM	9/23/2015
1509201-05	Cell 21 (comp)		09/22/15 09:45 AM	9/23/2015
1509201-06	Cell 21 (2-3)		09/22/15 09:50 AM	9/23/2015
1509201-07	Cell 17 (comp)		09/22/15 10:00 AM	9/23/2015
1509201-08	Cell 17 (2-3)		09/22/15 10:05 AM	9/23/2015
1509201-09	Cell 18 (comp)		09/22/15 10:10 AM	9/23/2015
1509201-10	Cell 18 (2-3)		09/22/15 10:20 AM	9/23/2015
1509201-11	Cell 19 (comp)		09/22/15 10:25 AM	9/23/2015
1509201-12	Cell 19 (2-3)		09/22/15 10:30 AM	9/23/2015
1509201-13	Cell 20 (comp)		09/22/15 10:35 AM	9/23/2015
1509201-14	Cell 20 (2-3)		09/22/15 10:40 AM	9/23/2015

**Date:** 02-Oct-15

02-Oct-15

Lab Order:	1509201						
Client:	Larson & Associates	ciates			PREPI	<b>PREP DATES REPORT</b>	-
Project:	Chevron Landfarm	arm					
Sample ID	Client Sample ID	<b>Collection Date</b>	Matrix	Test Number	Test Name	Prep Date	Batch ID
1509201-01A	Cell 26 (comp)	09/22/15 09:10 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 26 (comp)	09/22/15 09:10 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 26 (comp)	09/22/15 09:10 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-01B	Cell 26 (comp)	09/22/15 09:10 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 26 (comp)	09/22/15 09:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 26 (comp)	09/22/15 09:10 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-02A	Cell 26 (2-3)	09/22/15 09:20 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 26 (2-3)	09/22/15 09:20 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 26 (2-3)	09/22/15 09:20 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-02B	Cell 26 (2-3)	09/22/15 09:20 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 26 (2-3)	09/22/15 09:20 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 26 (2-3)	09/22/15 09:20 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-03A	Cell 25 (comp)	09/22/15 09:30 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 25 (comp)	09/22/15 09:30 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 25 (comp)	09/22/15 09:30 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-03B	Cell 25 (comp)	09/22/15 09:30 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 25 (comp)	09/22/15 09:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 25 (comp)	09/22/15 09:30 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-04A	Cell 25 (2-3)	09/22/15 09:40 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 25 (2-3)	09/22/15 09:40 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 25 (2-3)	09/22/15 09:40 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-04B	Cell 25 (2-3)	09/22/15 09:40 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 25 (2-3)	09/22/15 09:40 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 25 (2-3)	09/22/15 09:40 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-05A	Cell 21 (comp)	09/22/15 09:45 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 21 (comp)	09/22/15 09:45 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 21 (comp)	09/22/15 09:45 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-05B	Cell 21 (comp)	09/22/15 09:45 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
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02-Oct-15

Lab Order: Client	1509201 1 arcon & Associates	uates.			РВКРІ	PREP DATES REPORT	r
Project:	Chevron Landfarm	11111					
Sample ID	Client Sample ID	<b>Collection Date</b>	Matrix	Test Number	Test Name	Prep Date	Batch ID
1509201-05B	Cell 21 (comp)	09/22/15 09:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 21 (comp)	09/22/15 09:45 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-06A	Cell 21 (2-3)	09/22/15 09:50 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 21 (2-3)	09/22/15 09:50 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 21 (2-3)	09/22/15 09:50 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-06B	Cell 21 (2-3)	09/22/15 09:50 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 21 (2-3)	09/22/15 09:50 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 21 (2-3)	09/22/15 09:50 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-07A	Cell 17 (comp)	09/22/15 10:00 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 17 (comp)	09/22/15 10:00 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 17 (comp)	09/22/15 10:00 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-07B	Cell 17 (comp)	09/22/15 10:00 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 17 (comp)	09/22/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 17 (comp)	09/22/15 10:00 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-08A	Cell 17 (2-3)	09/22/15 10:05 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 17 (2-3)	09/22/15 10:05 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 17 (2-3)	09/22/15 10:05 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-08B	Cell 17 (2-3)	09/22/15 10:05 AM	Soil	D2216	Moisture Preparation	09/23/15 12:01 PM	71573
	Cell 17 (2-3)	09/22/15 10:05 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 17 (2-3)	09/22/15 10:05 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-09A	Cell 18 (comp)	09/22/15 10:10 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 18 (comp)	09/22/15 10:10 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 18 (comp)	09/22/15 10:10 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-09B	Cell 18 (comp)	09/22/15 10:10 AM	Soil	D2216	Moisture Preparation	09/23/15 12:02 PM	71574
	Cell 18 (comp)	09/22/15 10:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 18 (comp)	09/22/15 10:10 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-10A	Cell 18 (2-3)	09/22/15 10:20 AM	Soil	E300	Amon Prep	09/29/15 08:53 AM	71660
	Cell 18 (2-3)	09/22/15 10:20 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599

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02-Oct-15

Lab Order:	1509201						
<b>Client:</b>	Larson & Associates	iates			PREP L	<b>PREP DATES REPORT</b>	r
Project:	Chevron Landfarm	Irm					
Sample ID	Client Sample ID	<b>Collection Date</b>	Matrix	Test Number	Test Name	Prep Date	Batch ID
1509201-10A	Cell 18 (2-3)	09/22/15 10:20 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-10B	Cell 18 (2-3)	09/22/15 10:20 AM	Soil	D2216	Moisture Preparation	09/23/15 12:02 PM	71574
	Cell 18 (2-3)	09/22/15 10:20 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 18 (2-3)	09/22/15 10:20 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-11A	Cell 19 (comp)	09/22/15 10:25 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 19 (comp)	09/22/15 10:25 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 19 (comp)	09/22/15 10:25 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-11B	Cell 19 (comp)	09/22/15 10:25 AM	Soil	D2216	Moisture Preparation	09/23/15 12:02 PM	71574
	Cell 19 (comp)	09/22/15 10:25 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 19 (comp)	09/22/15 10:25 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-12A	Cell 19 (2-3)	09/22/15 10:30 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 19 (2-3)	09/22/15 10:30 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 19 (2-3)	09/22/15 10:30 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-12B	Cell 19 (2-3)	09/22/15 10:30 AM	Soil	D2216	Moisture Preparation	09/23/15 12:02 PM	71574
	Cell 19 (2-3)	09/22/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 19 (2-3)	09/22/15 10:30 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-13A	Cell 20 (comp)	09/22/15 10:35 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 20 (comp)	09/22/15 10:35 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 20 (comp)	09/22/15 10:35 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-13B	Cell 20 (comp)	09/22/15 10:35 AM	Soil	D2216	Moisture Preparation	09/23/15 12:02 PM	71574
	Cell 20 (comp)	09/22/15 10:35 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 20 (comp)	09/22/15 10:35 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
1509201-14A	Cell 20 (2-3)	09/22/15 10:40 AM	Soil	E300	Anion Prep	09/29/15 08:53 AM	71660
	Cell 20 (2-3)	09/22/15 10:40 AM	Soil	SW5030C	Purge and Trap Soils GC	09/24/15 03:13 PM	71599
	Cell 20 (2-3)	09/22/15 10:40 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	09/29/15 11:22 AM	71671
1509201-14B	Cell 20 (2-3)	09/22/15 10:40 AM	Soil	D2216	Moisture Preparation	09/23/15 12:02 PM	71574
	Cell 20 (2-3)	09/22/15 10:40 AM	Soil	SW3550C	Soil Prep Sonication: DRO	09/29/15 08:48 AM	71658
	Cell 20 (2-3)	09/22/15 10:40 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	10/01/15 02:03 PM	71675
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	107/07							
Client: Project:	Larson & Associates Chevron Landfarm	ates m			ANA	NLYTIC	ANALYTICAL DATES REPORT	REPORT
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1509201-01A	Cell 26 (comp)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 12:58 PM	IC2_150929B
	Cell 26 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 02:17 PM	$GC4_150929A$
	Cell 26 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 05:48 PM	GC4_150924A
1509201-01B	Cell 26 (comp)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 26 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 02:24 PM	GC15_150929A
	Cell 26 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_151001A$
1509201-02A	Cell 26 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 01:13 PM	IC2_150929B
	Cell 26 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 02:45 PM	GC4_150929A
	Cell 26 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 06:13 PM	GC4_150924A
1509201-02B	Cell 26 (2-3)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 26 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 02:33 PM	GC15_150929A
	Cell 26 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_151001A$
1509201-03A	Cell 25 (comp)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 01:27 PM	$IC2_150929B$
	Cell 25 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 03:09 PM	$GC4_150929A$
	Cell 25 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 06:38 PM	$GC4_150924A$
1509201-03B	Cell 25 (comp)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 25 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 02:42 PM	GC15_150929A
	Cell 25 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_{-151001A}$
1509201-04A	Cell 25 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 01:42 PM	$IC2_150929B$
	Cell 25 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 03:33 PM	$GC4_150929A$
	Cell 25 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 07:02 PM	GC4_150924A
1509201-04B	Cell 25 (2-3)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 25 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 02:51 PM	GC15_150929A
	Cell 25 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_151001A$
1509201-05A	Cell 21 (comp)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 01:56 PM	$IC2_150929B$
	Cell 21 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 03:57 PM	$GC4_150929A$
	Cell 21 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 07:28 PM	$GC4_150924A$
1509201-05B	Cell 21 (comn)	Soil	D2216	Percent Moisture	71573	-	09/24/15 09:20 AM	PMOIST 150923B

02-Oct-15

Client: Project: Sample ID 1509201-05B 1509201-06A 1509201-06B	Larson & Associates	tes						Tanate
		1			ANA	ALYTIC	ANALY HCAL DATES KEPOKI	NET UN I
		n						
	<b>Client Sample ID</b>	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
	Cell 21 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 03:00 PM	GC15_150929A
	Cell 21 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\mathrm{IR207}_{-}151001\mathrm{A}$
	Cell 21 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 02:11 PM	$IC2_150929B$
	Cell 21 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 04:22 PM	$GC4_150929A$
	Cell 21 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 07:52 PM	$GC4_150924A$
	Cell 21 (2-3)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 21 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 03:09 PM	GC15_150929A
	Cell 21 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_151001A$
1509201-07A	Cell 17 (comp)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 02:25 PM	$IC2_150929B$
	Cell 17 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 04:46 PM	$GC4_150929A$
	Cell 17 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 08:17 PM	$GC4_150924A$
1509201-07B	Cell 17 (comp)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 17 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 03:18 PM	$GC15_150929A$
	Cell 17 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\mathrm{IR207}_{-}151001\mathrm{A}$
1509201-08A	Cell 17 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 02:40 PM	$IC2_150929B$
	Cell 17 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 05:10 PM	$GC4_150929A$
	Cell 17 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 08:42 PM	$GC4_150924A$
1509201-08B	Cell 17 (2-3)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B
	Cell 17 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 03:27 PM	GC15_150929A
	Cell 17 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	${ m IR207}_{-}151001{ m A}$
1509201-09A	Cell 18 (comp)	Soil	E300	Amons by IC method - Soil	71660	1	09/29/15 02:55 PM	$IC2_150929B$
	Cell 18 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 05:34 PM	$GC4_150929A$
	Cell 18 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 09:06 PM	$GC4_150924A$
1509201-09B	Cell 18 (comp)	Soil	D2216	Percent Moisture	71574	1	09/24/15 09:20 AM	PMOIST_150923C
	Cell 18 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 03:56 PM	GC15_150929A
	Cell 18 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_151001A$
1509201-10A	Cell 18 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 03:09 PM	IC2_150929B
	Cell 18 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 05:59 PM	$GC4_150929A$

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	Surf (man final trans							
Lab Order:	1509201							
Client: Designet:	Larson & Associates	tes			AN	ALYTIC	ANALYTICAL DATES REPORT	REPORT
r tujeci:								
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1509201-10A	Cell 18 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 09:30 PM	GC4_150924A
1509201-10B	Cell 18 (2-3)	Soil	D2216	Percent Moisture	71574	1	09/24/15 09:20 AM	PMOIST_150923C
	Cell 18 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 04:05 PM	GC15_150929A
	Cell 18 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_{-}151001A$
1509201-11A	Cell 19 (comp)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 03:45 PM	$IC2_150929B$
	Cell 19 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 07:35 PM	$GC4_150929A$
	Cell 19 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 10:45 PM	$GC4_150924A$
1509201-11B	Cell 19 (comp)	Soil	D2216	Percent Moisture	71574	1	09/24/15 09:20 AM	PMOIST_150923C
	Cell 19 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 04:25 PM	GC15_150929A
	Cell 19 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_{-151001A}$
1509201-12A	Cell 19 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 04:00 PM	$IC2_150929B$
	Cell 19 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 08:00 PM	GC4_150929A
	Cell 19 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 11:10 PM	$GC4_150924A$
1509201-12B	Cell 19 (2-3)	Soil	D2216	Percent Moisture	71574	1	09/24/15 09:20 AM	PMOIST_150923C
	Cell 19 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 04:34 PM	GC15_150929A
	Cell 19 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_{-151001A}$
1509201-13A	Cell 20 (comp)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 04:15 PM	$IC2_150929B$
	Cell 20 (comp)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 08:24 PM	$GC4_150929A$
	Cell 20 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 11:35 PM	$GC4_150924A$
1509201-13B	Cell 20 (comp)	Soil	D2216	Percent Moisture	71574	1	09/24/15 09:20 AM	$PMOIST_150923C$
	Cell 20 (comp)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 04:43 PM	GC15_150929A
	Cell 20 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\rm IR207_{-151001A}$
1509201-14A	Cell 20 (2-3)	Soil	E300	Anions by IC method - Soil	71660	1	09/29/15 04:29 PM	$IC2_150929B$
	Cell 20 (2-3)	Soil	M8015V	TPH Purgeable by GC - Soil	71671	1	09/29/15 08:48 PM	GC4_150929A
	Cell 20 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/25/15	$GC4_150924A$
1509201-14B	Cell 20 (2-3)	Soil	D2216	Percent Moisture	71574	1	09/24/15 09:20 AM	PMOIST_150923C
	Cell 20 (2-3)	Soil	M8015D	TPH Extractable by GC - Soil	71658	1	09/29/15 04:52 PM	GC15_150929A
	Cell 20 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	$\mathrm{IR207}_{-}151001\mathrm{A}$
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CLIENT: Project: Project No: Lab Order:	Larson & Associates Chevron Landfarm 6-0137 1509201				L	ple ID: Cell 26 ab ID: 150920 n Date: 09/22/ Matrix: SOIL	01-01	AM
Analyses	1309201	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 ²	15D				Analyst: <b>ABO</b>
TPH-DRO C10-		ND	11.7			mg/Kg-dry	1	09/29/15 02:24 PM
Surr: Isoprop	ylbenzene	73.0	0	47-142		%REC	1	09/29/15 02:24 PM
Surr: Octacos	sane	94.0	0	25-162		%REC	1	09/29/15 02:24 PM
TPH PURGEAE	BLE BY GC - SOIL		M80 ²	15V				Analyst: <b>AV</b>
Gasoline Range	e Organics	ND	0.106	0.211		mg/Kg-dry	1	09/29/15 02:17 PM
Surr: Tetrach	lorethene	112	0	70-134		%REC	1	09/29/15 02:17 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV
Benzene		ND	0.00346	0.00577		mg/Kg-dry	1	09/24/15 05:48 PM
Ethylbenzene		ND	0.00577	0.0173		mg/Kg-dry	1	09/24/15 05:48 PM
Toluene		ND	0.00577	0.0173		mg/Kg-dry	1	09/24/15 05:48 PM
Xylenes, Total		ND	0.00577	0.0173		mg/Kg-dry	1	09/24/15 05:48 PM
Surr: Tetrach	loroethene	112	0	79-135		%REC	1	09/24/15 05:48 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydr	ocarbons, TR	14.7	5.55	11.1	Ν	mg/Kg-dry	1	10/01/15 03:17 PM
	METHOD - SOIL		E30					Analyst: AV
Chloride		ND	5.91	5.91		mg/Kg-dry	1	09/29/15 12:58 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>
Percent Moistur	e	15.7	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 20	5 (2-3)	
Project:	Chevron Landfarm				I	ab ID: 15092	01-02	
Project No:	6-0137			С	ollection	n Date: 09/22/	15 09:20	AM
Lab Order:	1509201				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 ²	I5D				Analyst: <b>ABO</b>
TPH-DRO C10-0	C28	ND	11.8	11.8		mg/Kg-dry	1	09/29/15 02:33 PM
Surr: Isopropy	lbenzene	69.6	0	47-142		%REC	1	09/29/15 02:33 PM
Surr: Octacos	ane	97.1	0	25-162		%REC	1	09/29/15 02:33 PM
TPH PURGEAB	LE BY GC - SOIL		M80 ²	15V				Analyst: <b>AV</b>
Gasoline Range	Organics	ND	0.111	0.222		mg/Kg-dry	1	09/29/15 02:45 PM
Surr: Tetrachl	orethene	111	0	70-134		%REC	1	09/29/15 02:45 PM
VOLATILE ORG	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		ND	0.00342	0.00571		mg/Kg-dry	1	09/24/15 06:13 PM
Ethylbenzene		ND	0.00571	0.0171		mg/Kg-dry	1	09/24/15 06:13 PM
Toluene		ND	0.00571	0.0171		mg/Kg-dry	1	09/24/15 06:13 PM
Xylenes, Total		ND	0.00571	0.0171		mg/Kg-dry	1	09/24/15 06:13 PM
Surr: Tetrachl	oroethene	115	0	79-135		%REC	1	09/24/15 06:13 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydro	ocarbons, TR	ND	5.76	11.5	Ν	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC Chloride	METHOD - SOIL	7.55	<b>E3(</b> 5.59	<b>)0</b> 5.59		mg/Kg-dry	1	Analyst: <b>AV</b> 09/29/15 01:13 PM
	STURE		D22	16				Analyst: <b>JL</b>
Percent Moisture	е	17.8	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

CLIENT:	Larson & Associates Chevron Landfarm			Clie		ple ID: Cell 25 ab ID: 15092	· · ·	
Project:				0				A N 6
Project No:	6-0137			C		n Date: 09/22/	15 09:30	AM
Lab Order:	1509201				Ν	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M801	15D				Analyst: ABO
TPH-DRO C10-	-C28	ND	10.9	10.9		mg/Kg-dry	1	09/29/15 02:42 PM
Surr: Isoprop	ylbenzene	71.7	0	47-142		%REC	1	09/29/15 02:42 PM
Surr: Octaco	sane	90.5	0	25-162		%REC	1	09/29/15 02:42 PM
TPH PURGEAE	BLE BY GC - SOIL		M801	15V				Analyst: <b>AV</b>
Gasoline Range	e Organics	ND	0.0975	0.195		mg/Kg-dry	1	09/29/15 03:09 PM
Surr: Tetrach	lorethene	114	0	70-134		%REC	1	09/29/15 03:09 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: AV
Benzene		ND	0.00339	0.00565		mg/Kg-dry	1	09/24/15 06:38 PM
Ethylbenzene		ND	0.00565	0.0169		mg/Kg-dry	1	09/24/15 06:38 PM
Toluene		ND	0.00565	0.0169		mg/Kg-dry	1	09/24/15 06:38 PM
Xylenes, Total		ND	0.00565	0.0169		mg/Kg-dry	1	09/24/15 06:38 PM
Surr: Tetrach	loroethene	112	0	79-135		%REC	1	09/24/15 06:38 PM
TRPH			E418	8.1				Analyst: ABO
Petroleum Hydr	ocarbons, TR	ND	5.62	11.2	Ν	mg/Kg-dry	1	10/01/15 03:17 PM
	METHOD - SOIL		E30					Analyst: <b>AV</b>
Chloride		ND	5.27	5.27		mg/Kg-dry	1	09/29/15 01:27 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>
Percent Moistur	re	13.6	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 2:	5 (2-3)	
Project:	Chevron Landfarm				I	ab ID: 15092	01-04	
Project No:	6-0137			С	ollection	n Date: 09/22/	15 09:40	AM
Lab Order:	1509201				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		<b>M80</b> 1	I5D				Analyst: <b>ABO</b>
TPH-DRO C10-	-C28	ND	11.2	11.2		mg/Kg-dry	1	09/29/15 02:51 PM
Surr: Isoprop	ylbenzene	80.2	0	47-142		%REC	1	09/29/15 02:51 PM
Surr: Octaco	sane	96.0	0	25-162		%REC	1	09/29/15 02:51 PM
TPH PURGEAE	BLE BY GC - SOIL		M801	15V				Analyst: <b>AV</b>
Gasoline Range	e Organics	ND	0.115	0.230		mg/Kg-dry	1	09/29/15 03:33 PM
Surr: Tetrach	lorethene	112	0	70-134		%REC	1	09/29/15 03:33 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		ND	0.00353	0.00588		mg/Kg-dry	1	09/24/15 07:02 PM
Ethylbenzene		ND	0.00588	0.0176		mg/Kg-dry	1	09/24/15 07:02 PM
Toluene		ND	0.00588	0.0176		mg/Kg-dry	1	09/24/15 07:02 PM
Xylenes, Total		ND	0.00588	0.0176		mg/Kg-dry	1	09/24/15 07:02 PM
Surr: Tetrach	loroethene	114	0	79-135		%REC	1	09/24/15 07:02 PM
TRPH			E418	8.1				Analyst: ABO
Petroleum Hydr	ocarbons, TR	ND	5.94	11.9	Ν	mg/Kg-dry	1	10/01/15 03:17 PM
	METHOD - SOIL		E30	-				Analyst: <b>AV</b>
Chloride		ND	5.10	5.10		mg/Kg-dry	1	09/29/15 01:42 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>
Percent Moistur	re	16.3	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
]	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates Chevron Landfarm	Client Sample ID: Cell 21 (comp) Lab ID: 1509201-05							
Project:		<b>Collection Date:</b> 09/22/15 09:45 AM							
Project No:	6-0137								
Lab Order:	1509201				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO	
TPH-DRO C10-	-C28	50.6	11.6	11.6		mg/Kg-dry	1	09/29/15 03:00 PM	
Surr: Isoprop	ylbenzene	75.1	0	47-142		%REC	1	09/29/15 03:00 PM	
Surr: Octacosane		131	0	25-162		%REC	1	09/29/15 03:00 PM	
TPH PURGEAE	BLE BY GC - SOIL		<b>M80</b> 1	15V				Analyst: <b>AV</b>	
Gasoline Range Organics		ND	0.107	0.215		mg/Kg-dry	1	09/29/15 03:57 PM	
Surr: Tetrach	lorethene	113	0	70-134		%REC	1	09/29/15 03:57 PM	
VOLATILE OR	GANICS BY GC	SW8021B						Analyst: <b>AV</b>	
Benzene		ND	0.00323	0.00538		mg/Kg-dry	1	09/24/15 07:28 PM	
Ethylbenzene		ND	0.00538	0.0161		mg/Kg-dry	1	09/24/15 07:28 PM	
Toluene		ND	0.00538	0.0161		mg/Kg-dry	1	09/24/15 07:28 PM	
Xylenes, Total		ND	0.00538	0.0161		mg/Kg-dry	1	09/24/15 07:28 PM	
Surr: Tetrach	loroethene	115	0	79-135		%REC	1	09/24/15 07:28 PM	
TRPH			E418	8.1				Analyst: ABO	
Petroleum Hydr	rocarbons, TR	13.6	5.73	11.5	Ν	mg/Kg-dry	1	10/01/15 03:17 PM	
ANIONS BY IC	METHOD - SOIL		E30	0				Analyst: <b>AV</b>	
Chloride		ND	5.46	5.46		mg/Kg-dry	1	09/29/15 01:56 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>	
Percent Moistu	re	16.5	0	0		WT%	1	09/24/15 09:20 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
Ν	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 2	1 (2-3)		
Project:	Chevron Landfarm			Ch		ah ID: 15092	. ,		
0		<b>Collection Date:</b> 09/22/15 09:50 AM							
Project No:	6-0137								
Lab Order:	1509201		Matrix: SOIL						
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO	
TPH-DRO C10-	-C28	ND	11.9	11.9		mg/Kg-dry	1	09/29/15 03:09 PM	
Surr: Isoprop	ylbenzene	70.3	0	47-142		%REC	1	09/29/15 03:09 PM	
Surr: Octacosane		91.5	0	25-162		%REC	1	09/29/15 03:09 PM	
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: <b>AV</b>	
Gasoline Range Organics		ND	0.116	0.233		mg/Kg-dry	1	09/29/15 04:22 PM	
Surr: Tetrachlorethene		121	0	70-134		%REC	1	09/29/15 04:22 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		ND	0.00338	0.00564		mg/Kg-dry	1	09/24/15 07:52 PM	
Ethylbenzene		ND	0.00564	0.0169		mg/Kg-dry	1	09/24/15 07:52 PM	
Toluene		ND	0.00564	0.0169		mg/Kg-dry	1	09/24/15 07:52 PM	
Xylenes, Total		ND	0.00564	0.0169		mg/Kg-dry	1	09/24/15 07:52 PM	
Surr: Tetrach	loroethene	113	0	79-135		%REC	1	09/24/15 07:52 PM	
TRPH			E41	8.1				Analyst: ABO	
Petroleum Hydr	ocarbons, TR	ND	5.85	11.7	Ν	mg/Kg-dry	1	10/01/15 03:17 PM	
ANIONS BY IC	METHOD - SOIL		E30	00			Analyst: AV		
Chloride		ND	5.39	5.39		mg/Kg-dry	1	09/29/15 02:11 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>	
Percent Moistur	re	17.3	0	0		WT%	1	09/24/15 09:20 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
J	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT: Project:	Larson & Associates Chevron Landfarm			Clie		ple ID: Cell 17 ab ID: 15092			
Project No:	6-0137	<b>Collection Date: </b> 09/22/15 10:00 AM							
Lab Order:	1509201	Matrix: SOIL							
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL		M801	I5D				Analyst: <b>ABO</b>	
TPH-DRO C10-	-C28	17.1	11.5	11.5		mg/Kg-dry	1	09/29/15 03:18 PM	
Surr: Isoprop	ylbenzene	75.9	0	47-142		%REC	1	09/29/15 03:18 PM	
Surr: Octacosane		112	0	25-162		%REC	1	09/29/15 03:18 PM	
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: <b>AV</b>	
Gasoline Range Organics		ND	0.116	0.232		mg/Kg-dry	1	09/29/15 04:46 PM	
Surr: Tetrachlorethene		121	0	70-134		%REC	1	09/29/15 04:46 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		ND	0.00342	0.00570		mg/Kg-dry	1	09/24/15 08:17 PM	
Ethylbenzene		ND	0.00570	0.0171		mg/Kg-dry	1	09/24/15 08:17 PM	
Toluene		ND	0.00570	0.0171		mg/Kg-dry	1	09/24/15 08:17 PM	
Xylenes, Total		ND	0.00570	0.0171		mg/Kg-dry	1	09/24/15 08:17 PM	
Surr: Tetrach	loroethene	112	0	79-135		%REC	1	09/24/15 08:17 PM	
TRPH			E418	8.1				Analyst: <b>ABO</b>	
Petroleum Hydr	ocarbons, TR	ND	5.61	11.2	Ν	mg/Kg-dry	1	10/01/15 03:17 PM	
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: AV	
Chloride		ND	5.18	5.18		mg/Kg-dry	1	09/29/15 02:25 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>	
Percent Moistur	re	14.8	0	0		WT%	1	09/24/15 09:20 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli		ple ID: Cell 1'	· /		
Project:	Chevron Landfarm				Ι	ab ID: 15092	01-08		
Project No:	6-0137	Collection Date: 09/22/15 10:05 AM Matrix: SOIL							
Lab Order:	1509201								
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D						Analyst: ABO	
TPH-DRO C10-	-C28	ND	11.0	11.0		mg/Kg-dry	1	09/29/15 03:27 PM	
Surr: Isoprop	ylbenzene	74.6	0	47-142		%REC	1	09/29/15 03:27 PM	
Surr: Octacosane		94.0	0	25-162		%REC	1	09/29/15 03:27 PM	
TPH PURGEA	BLE BY GC - SOIL	M8015V						Analyst: <b>AV</b>	
Gasoline Range Organics		ND	0.107	0.215		mg/Kg-dry	1	09/29/15 05:10 PM	
Surr: Tetrachlorethene		110	0	70-134		%REC	1	09/29/15 05:10 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		ND	0.00314	0.00524		mg/Kg-dry	1	09/24/15 08:42 PM	
Ethylbenzene		ND	0.00524	0.0157		mg/Kg-dry	1	09/24/15 08:42 PM	
Toluene		ND	0.00524	0.0157		mg/Kg-dry	1	09/24/15 08:42 PM	
Xylenes, Total		ND	0.00524	0.0157		mg/Kg-dry	1	09/24/15 08:42 PM	
Surr: Tetrach	loroethene	114	0	79-135		%REC	1	09/24/15 08:42 PM	
TRPH			E41	8.1			Analyst: ABO		
Petroleum Hydi	rocarbons, TR	ND	5.80	11.6	Ν	mg/Kg-dry	1	10/01/15 03:17 PM	
ANIONS BY IC Chloride	METHOD - SOIL	8.36	<b>E3(</b> 5.29	<b>)0</b> 5.29		mg/Kg-dry	1	Analyst: <b>AV</b> 09/29/15 02:40 PM	
	STURE		D22	16				Analyst: <b>JL</b>	
Percent Moistu	re	14.3	0	0		WT%	1	09/24/15 09:20 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
-	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates Chevron Landfarm			Clie		ple ID: Cell 18 ab ID: 15092			
Project:				0				4 N <i>G</i>	
Project No:	6-0137	<b>Collection Date:</b> 09/22/15 10:10 AM							
Lab Order:	1509201				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL	M8015D					Analyst: ABO		
TPH-DRO C10-	-C28	62.6	11.6	11.6		mg/Kg-dry	1	09/29/15 03:56 PM	
Surr: Isoprop	ylbenzene	79.4	0	47-142		%REC	1	09/29/15 03:56 PM	
Surr: Octacosane		154	0	25-162		%REC	1	09/29/15 03:56 PM	
TPH PURGEAE	BLE BY GC - SOIL		<b>M80</b> 1	15V				Analyst: <b>AV</b>	
Gasoline Range Organics		ND	0.115	0.230		mg/Kg-dry	1	09/29/15 05:34 PM	
Surr: Tetrachlorethene		117	0	70-134		%REC	1	09/29/15 05:34 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		ND	0.00338	0.00564		mg/Kg-dry	1	09/24/15 09:06 PM	
Ethylbenzene		ND	0.00564	0.0169		mg/Kg-dry	1	09/24/15 09:06 PM	
Toluene		ND	0.00564	0.0169		mg/Kg-dry	1	09/24/15 09:06 PM	
Xylenes, Total		ND	0.00564	0.0169		mg/Kg-dry	1	09/24/15 09:06 PM	
Surr: Tetrach	loroethene	111	0	79-135		%REC	1	09/24/15 09:06 PM	
TRPH			E418	8.1				Analyst: ABO	
Petroleum Hydr	rocarbons, TR	ND	5.92	11.8	Ν	mg/Kg-dry	1	10/01/15 03:17 PM	
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: <b>AV</b>	
Chloride		ND	5.21	5.21		mg/Kg-dry	1	09/29/15 02:55 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>	
Percent Moistu	re	16.1	0	0		WT%	1	09/24/15 09:20 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
Ν	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT: Project:	Larson & Associates Chevron Landfarm			Cli		ple ID: Cell 18 ab ID: 15092	· /		
•		<b>Collection Date:</b> 09/22/15 10:20 AM							
Project No:	6-0137								
Lab Order:	1509201				Ν	Matrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL		<b>M80</b> 1	5D				Analyst: ABO	
TPH-DRO C10-	-C28	12.2	11.6	11.6		mg/Kg-dry	1	09/29/15 04:05 PM	
Surr: Isoprop	ylbenzene	68.2	0	47-142		%REC	1	09/29/15 04:05 PM	
Surr: Octacosane		107	0	25-162		%REC	1	09/29/15 04:05 PM	
TPH PURGEAE	BLE BY GC - SOIL	M8015V						Analyst: AV	
Gasoline Range Organics		ND	0.100	0.200		mg/Kg-dry	1	09/29/15 05:59 PM	
Surr: Tetrachlorethene		108	0	70-134		%REC	1	09/29/15 05:59 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		ND	0.00319	0.00531		mg/Kg-dry	1	09/24/15 09:30 PM	
Ethylbenzene		ND	0.00531	0.0159		mg/Kg-dry	1	09/24/15 09:30 PM	
Toluene		ND	0.00531	0.0159		mg/Kg-dry	1	09/24/15 09:30 PM	
Xylenes, Total		ND	0.00531	0.0159		mg/Kg-dry	1	09/24/15 09:30 PM	
Surr: Tetrach	loroethene	110	0	79-135		%REC	1	09/24/15 09:30 PM	
TRPH			E418	8.1				Analyst: ABO	
Petroleum Hydr	rocarbons, TR	ND	5.66	11.3	Ν	mg/Kg-dry	1	10/01/15 03:17 PM	
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: <b>AV</b>	
Chloride		ND	5.21	5.21		mg/Kg-dry	1	09/29/15 03:09 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>	
Percent Moistu	re	14.5	0	0		WT%	1	09/24/15 09:20 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli		ple ID: Cell 19		
Project:	Chevron Landfarm				L	ab ID: 15092	01-11	
Project No:	6-0137			C	ollection	n Date: 09/22/	15 10:25	AM
Lab Order:	1509201				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		<b>M80</b> 1	5D				Analyst: ABO
TPH-DRO C10-	-C28	26.8	11.4	11.4		mg/Kg-dry	1	09/29/15 04:25 PM
Surr: Isoprop	ylbenzene	67.2	0	47-142		%REC	1	09/29/15 04:25 PM
Surr: Octaco	sane	106	0	25-162		%REC	1	09/29/15 04:25 PM
TPH PURGEAE	BLE BY GC - SOIL		<b>M80</b> 1	5V				Analyst: <b>AV</b>
Gasoline Range	e Organics	ND	0.120	0.239		mg/Kg-dry	1	09/29/15 07:35 PM
Surr: Tetrach	lorethene	109	0	70-134		%REC	1	09/29/15 07:35 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		ND	0.00356	0.00594		mg/Kg-dry	1	09/24/15 10:45 PM
Ethylbenzene		ND	0.00594	0.0178		mg/Kg-dry	1	09/24/15 10:45 PM
Toluene		ND	0.00594	0.0178		mg/Kg-dry	1	09/24/15 10:45 PM
Xylenes, Total		ND	0.00594	0.0178		mg/Kg-dry	1	09/24/15 10:45 PM
Surr: Tetrach	loroethene	101	0	79-135		%REC	1	09/24/15 10:45 PM
TRPH			E418	3.1				Analyst: ABO
Petroleum Hydr	ocarbons, TR	ND	6.03	12.1	Ν	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC	METHOD - SOIL		E30	0				Analyst: <b>AV</b>
Chloride		ND	5.58	5.58		mg/Kg-dry	1	09/29/15 03:45 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>
Percent Moistu	re	18.9	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 19	9 (2-3)	
Project:	Chevron Landfarm				L	ab ID: 15092	01-12	
Project No:	6-0137			С	ollection	n Date: 09/22/	15 10:30	AM
Lab Order:	1509201				N	Matrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO
TPH-DRO C10-	C28	ND	11.4	11.4		mg/Kg-dry	1	09/29/15 04:34 PM
Surr: Isoprop	ylbenzene	75.4	0	47-142		%REC	1	09/29/15 04:34 PM
Surr: Octacos	sane	85.9	0	25-162		%REC	1	09/29/15 04:34 PM
TPH PURGEAE	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: <b>AV</b>
Gasoline Range	e Organics	ND	0.119	0.238		mg/Kg-dry	1	09/29/15 08:00 PM
Surr: Tetrach	lorethene	107	0	70-134		%REC	1	09/29/15 08:00 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		ND	0.00315	0.00524		mg/Kg-dry	1	09/24/15 11:10 PM
Ethylbenzene		ND	0.00524	0.0157		mg/Kg-dry	1	09/24/15 11:10 PM
Toluene		ND	0.00524	0.0157		mg/Kg-dry	1	09/24/15 11:10 PM
Xylenes, Total		ND	0.00524	0.0157		mg/Kg-dry	1	09/24/15 11:10 PM
Surr: Tetrach	loroethene	105	0	79-135		%REC	1	09/24/15 11:10 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydr	ocarbons, TR	ND	5.72	11.4	Ν	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: <b>AV</b>
Chloride		10.5	5.33	5.33		mg/Kg-dry	1	09/29/15 04:00 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>
Percent Moistur	e	16.4	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT: Project: Project No:	Larson & Associates Chevron Landfarm 6-0137				L	ple ID: Cell 20 ab ID: 150920	01-13	414			
Lab Order:	1509201	Collection Date: 09/22/15 10:35 AM Matrix: SOIL									
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed			
TPH EXTRACT	ABLE BY GC - SOIL		<b>M80</b> 1	5D				Analyst: <b>ABO</b>			
TPH-DRO C10-	C28	ND	11.4	11.4		mg/Kg-dry	1	09/29/15 04:43 PM			
Surr: Isoprop	ylbenzene	73.7	0	47-142		%REC	1	09/29/15 04:43 PM			
Surr: Octacos	sane	89.1	0	25-162		%REC	1	09/29/15 04:43 PM			
TPH PURGEAB	BLE BY GC - SOIL		<b>M80</b> 1	5V				Analyst: <b>AV</b>			
Gasoline Range	e Organics	ND	0.110	0.219		mg/Kg-dry	1	09/29/15 08:24 PM			
Surr: Tetrach	lorethene	118	0	70-134		%REC	1	09/29/15 08:24 PM			
VOLATILE ORG	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>			
Benzene		ND	0.00345	0.00575		mg/Kg-dry	1	09/24/15 11:35 PM			
Ethylbenzene		ND	0.00575	0.0172		mg/Kg-dry	1	09/24/15 11:35 PM			
Toluene		ND	0.00575	0.0172		mg/Kg-dry	1	09/24/15 11:35 PM			
Xylenes, Total		ND	0.00575	0.0172		mg/Kg-dry	1	09/24/15 11:35 PM			
Surr: Tetrach	loroethene	102	0	79-135		%REC	1	09/24/15 11:35 PM			
TRPH			E418	3.1				Analyst: ABO			
Petroleum Hydro	ocarbons, TR	ND	5.97	11.9	Ν	mg/Kg-dry	1	10/01/15 03:17 PM			
ANIONS BY IC Chloride	METHOD - SOIL	6.87	<b>E30</b> 5.05	<b>0</b> 5.05		mg/Kg-dry	1	Analyst: <b>AV</b> 09/29/15 04:15 PM			
PERCENT MOIS		16.4	<b>D22</b> 0	<b>16</b>		WT%	1	Analyst: <b>JL</b> 09/24/15 09:20 AM			

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Sam	ple ID: Cell 20	) (2-3)			
Project:	Chevron Landfarm				I	ab ID: 15092	01-14			
Project No:	6-0137			С	ollection	n Date: 09/22/	15 10:40	AM		
Lab Order:	1509201	Matrix: SOIL								
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed		
TPH EXTRACT	ABLE BY GC - SOIL		<b>M80</b> 1	5D				Analyst: ABO		
TPH-DRO C10-	C28	ND	11.6	11.6		mg/Kg-dry	1	09/29/15 04:52 PM		
Surr: Isoprop	ylbenzene	70.8	0	47-142		%REC	1	09/29/15 04:52 PM		
Surr: Octacos	sane	87.4	0	25-162		%REC	1	09/29/15 04:52 PM		
TPH PURGEAE	BLE BY GC - SOIL		M801	15V				Analyst: <b>AV</b>		
Gasoline Range	e Organics	ND	0.107	0.215		mg/Kg-dry	1	09/29/15 08:48 PM		
Surr: Tetrach	lorethene	113	0	70-134		%REC	1	09/29/15 08:48 PM		
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>		
Benzene		ND	0.00334	0.00557		mg/Kg-dry	1	09/25/15		
Ethylbenzene		ND	0.00557	0.0167		mg/Kg-dry	1	09/25/15		
Toluene		ND	0.00557	0.0167		mg/Kg-dry	1	09/25/15		
Xylenes, Total		ND	0.00557	0.0167		mg/Kg-dry	1	09/25/15		
Surr: Tetrach	loroethene	110	0	79-135		%REC	1	09/25/15		
TRPH			E418	8.1	Analyst: ABO					
Petroleum Hydr	ocarbons, TR	ND	6.04	12.1	Ν	mg/Kg-dry	1	10/01/15 03:17 PM		
ANIONS BY IC	METHOD - SOIL		E30	00				Analyst: <b>AV</b>		
Chloride		5.60	5.47	5.47		mg/Kg-dry	1	09/29/15 04:29 PM		
PERCENT MOI	STURE		D22	16				Analyst: <b>JL</b>		
Percent Moistur	e	18.2	0	0		WT%	1	09/24/15 09:20 AN		

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT: Work Order: Project:	Larson & 1509201 Chevron I				AN	ALYT	ICAL ( RunII	-	UMMAR GC15 1509		EPO	RT
The QC data in batc 06B, 1509201-07B,	h 71658 app	lies to the fo					09201-03B,	1509201			1509201	-
Sample ID MB-716	58	Batch ID:	71658		TestNo	M80	)15D		Units:	mg/K	g	
SampType: <b>MBLK</b>		Run ID:	GC15_1	150929A	Analysis	s Date: <b>9/29</b>	0/2015 2:06:	57 PM	Prep Date:	9/29/2	2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimit	Qual
TPH-DRO C10-C28			ND	10.0								
Surr: Isopropylber	nzene		6.03		7.500		80.4	47	142			
Surr: Octacosane			7.52		7.500		100	25	162			
Sample ID LCS-71	658	Batch ID:	71658		TestNo	M80	)15D		Units:	mg/K	g	
SampType: <b>LCS</b>		Run ID:	GC15_1	150929A	Analysis	s Date: <b>9/29</b>	0/2015 2:15:	56 PM	Prep Date:	9/29/2	2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimit	Qual
TPH-DRO C10-C28			108	10.0	125.0	0	86.2	50	114			
Surr: Isopropylber	izene		4.37		7.500		58.3	47	142			
Surr: Octacosane			7.67		7.500		102	25	162			
Sample ID 150920	1-08BMS	Batch ID:	71658		TestNo:	M80	)15D		Units:	mg/K	g-dry	
SampType: <b>MS</b>		Run ID:	GC15_1	150929A	Analysis	s Date: <b>9/29</b>	0/2015 3:38:	43 PM	Prep Date:	9/29/2	2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimit	Qual
TPH-DRO C10-C28			111	10.8	135.5	0	82.0	50	114			
Surr: Isopropylber	izene		2.88		8.130		35.4	47	142			S
Surr: Octacosane			7.54		8.130		92.8	25	162			
Sample ID 150920	1-08BMSD	Batch ID:	71658		TestNo:	M80	)15D		Units:	mg/K	g-dry	
SampType: <b>MSD</b>		Run ID:	GC15_1	50929A	Analysis	s Date: 9/29	0/2015 3:47:	41 PM	Prep Date:	9/29/2	2015	
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD F	RPDLimit	Qual
TPH-DRO C10-C28			113	11.0	138.1	0	82.0	50	114	1.82	30	
Surr: Isopropylber	nzene		3.12		8.284		37.7	47	142	0	0	S
Surr: Octacosane			7.59		8.284		91.6	25	162	0	0	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 1 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	e
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates

Work Order:

### ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

1509201

### RunID: GC15_150929A

Sample ID ICV-150929	Batch ID:	R81953		TestNo:	M80	15D		Units:	mg/Kg
SampType: <b>ICV</b>	Run ID:	GC15_150	)929A	Analysis	Date: <b>9/29</b>	/2015 1:48:	24 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		519	10.0	500.0	0	104	80	120	
Surr: Isopropylbenzene		26.1		25.00		104	80	120	
Surr: Octacosane		26.0		25.00		104	80	120	
Sample ID CCV1-150929	Batch ID:	R81953		TestNo:	M80	15D		Units:	mg/Kg
SampType: <b>ССV</b>	Run ID:	GC15_150	)929A	Analysis	Date: <b>9/29</b>	/2015 4:14:	32 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		257	10.0	250.0	0	103	80	120	
Surr: Isopropylbenzene		13.6		12.50		109	80	120	
Surr: Octacosane		11.8		12.50		94.1	80	120	
Sample ID CCV2-150929	Batch ID:	R81953		TestNo:	M80	15D		Units:	mg/Kg
SampType: <b>CCV</b>	Run ID:	GC15_150	)929A	Analysis	Date: <b>9/29</b>	/2015 5:01:	17 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	t HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		256	10.0	250.0	0	102	80	120	
Surr: Isopropylbenzene		13.4		12.50		107	80	120	
Surr: Octacosane		11.9		12.50		95.4	80	120	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 2 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### **CLIENT:** Larson & Associates

1509201

### ANALYTICAL QC SUMMARY REPORT

Work Order: Project. Chevron Landfarm

work order.	509201									
Project: C	hevron Landfarm	L				RunII	D: (	GC4_15092	24A	
The QC data in batch 7 06A, 1509201-07A, 15									1-05A, ⁻	1509201-
Sample ID LCS-7159	9 Batch II	D: 71599		TestNo	: SW	8021B		Units:	mg/K	g
SampType: <b>LCS</b>	Run ID:	GC4_1	50924A	Analys	is Date: <b>9/24</b>	l/2015 4:24:	11 PM	Prep Date:	9/24/2	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD F	RPDLimit Qua
Benzene		0.0977	0.00500	0.1000	0	97.7	65	113		
Toluene		0.101	0.0150	0.1000	0	101	73	115		
Ethylbenzene		0.101	0.0150	0.1000	0	101	74	118		
Xylenes, Total		0.307	0.0150	0.3000	0	102	73	119		
Surr: Tetrachloroethe	ene	0.190		0.2000		94.9	79	135		
Sample ID MB-71599	Batch I	D: <b>71599</b>		TestNo	: SW	8021B		Units:	mg/K	g
SampType: <b>MBLK</b>	Run ID:	GC4_1	50924A	Analys	is Date: <b>9/24</b>	/2015 5:13:	14 PM	Prep Date:	9/24/2	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD F	RPDLimit Qua
Benzene		ND	0.00500							
Toluene		ND	0.0150							
Ethylbenzene		ND	0.0150							
Xylenes, Total		ND	0.0150							
Surr: Tetrachloroethe	ene	0.218		0.2000		109	79	135		
Sample ID <b>1509201-1</b>	4AMS Batch II	D: 71599		TestNo	: SW	8021B		Units:	mg/K	g-dry
SampType: <b>MS</b>	Run ID:	GC4_1	50924A	Analys	is Date: 9/25	5/2015 12:24	4:19 AM	Prep Date:	9/24/2	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD F	RPDLimit Qua
Benzene		0.110	0.00554	0.1109	0	98.9	65	113		
Toluene		0.113	0.0166	0.1109	0	102	73	115		
Ethylbenzene		0.114	0.0166	0.1109	0	103	74	118		
Xylenes, Total		0.341	0.0166	0.3327	0	102	73	119		
Surr: Tetrachloroethe	ene	0.213		0.2218		95.9	79	135		
Sample ID 1509201-1	4AMSD Batch II	D: <b>71599</b>		TestNo	: SW	8021B		Units:	mg/K	g-dry
SampType: <b>MSD</b>	Run ID:	GC4_1	50924A	Analys	is Date: 9/25	5/2015 12:49	9:27 AM	Prep Date:	9/24/2	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD F	RPDLimit Qua
Benzene		0.105	0.00529	0.1057	0	99.2	65	113	4.45	30
Toluene		0.109	0.0159	0.1057	0	103	73	115	4.24	30
Ethylbenzene		0.111	0.0159	0.1057	0	105	74	118	3.29	30
Xylenes, Total		0.328	0.0159	0.3171	0	103	73	119	3.96	30
Surr: Tetrachloroethe	ene	0.202		0.2114		95.4	79	135	0	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 3 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates Work Order: 1509201

### ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

### RunID: GC4_150924A

: <b>R81888</b>		TestNo:	SW	8021B		Units:	mg/Kg
GC4_150	924A	Analysis	s Date: 9/24	4/2015 3:36:	00 PM	Prep Date	e:
Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
0.190	0.00500	0.2000	0	95.1	80	120	
0.195	0.0150	0.2000	0	97.4	80	120	
0.200	0.0150	0.2000	0	100	80	120	
0.641	0.0150	0.6000	0	107	80	120	
0.196		0.2000		98.2	79	135	
: R81888		TestNo:	sw	8021B		Units:	mg/Kg
GC4_150	924A	Analysis	s Date: 9/24	4/2015 9:56:	18 PM	Prep Date	e:
Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
0.0991	0.00500	0.1000	0	99.1	80	120	
0.103	0.0150	0.1000	0	103	80	120	
0.104	0.0150	0.1000	0	104	80	120	
0.310	0.0150	0.3000	0	103	80	120	
0.210		0.2000		105	79	135	
: <b>R81888</b>		TestNo:	sw	8021B		Units:	mg/Kg
GC4_150	)924A	Analysi	s Date: 9/2	5/2015 1:37:	42 AM	Prep Date	9:
Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
0.100	0.00500	0.1000	0	100	80	120	
0.104	0.0150	0.1000	0	104	80	120	
0.105	0.0150	0.1000	0	105	80	120	
0.312	0.0150	0.3000	0	104	80	120	
0.209		0.2000		105	79	135	
	GC4_150 Result 0.190 0.195 0.200 0.641 0.196 0.196 0.641 0.196 0.196 0.196 0.200 0.641 0.196 0.100 0.210 0.210 0.210 0.210 0.210 0.210 0.210 0.210 0.104 0.210 0.104 0.105 0.312	GC4_150924A           Result         RL           0.190         0.00500           0.195         0.0150           0.200         0.0150           0.200         0.0150           0.41         0.0150           0.641         0.0150           0.196         0.0150           0.196         0.0150           0.196         0.0150           0.196         0.0150           0.196         0.00500           0.196         0.00500           0.103         0.0150           0.104         0.0150           0.104         0.0150           0.210         0.0150           0.210         0.00500           0.104         0.0150           0.105         0.0150           0.104         0.0150           0.105         0.0150           0.104         0.0150           0.105         0.0150           0.105         0.0150           0.105         0.0150           0.105         0.0150           0.312         0.0150	GC4_150924A         Analysis           Result         RL         SPK value           0.190         0.00500         0.2000           0.195         0.0150         0.2000           0.200         0.0150         0.2000           0.641         0.0150         0.2000           0.196         0.2000         0.0150           0.196         0.2000         0.0150           0.196         0.2000         0.0150           0.196         0.2000         0.0150           SR81888         TestNo:           GC4_150924A         Analysis           0.0991         0.00500         0.1000           0.103         0.0150         0.1000           0.104         0.0150         0.3000           0.210         0.2000         0.2000           D:         R81888         TestNo:           GC4_150924A         Analysis           Result         RL         SPK value           0.100         0.00500         0.1000           0.2100         0.00500         0.1000           0.100         0.00500         0.1000           0.100         0.0150         0.1000           0.1015	GC4_150924A       Analysis Date: 9/24         Result       RL       SPK value       Ref Val         0.190       0.00500       0.2000       0         0.190       0.0150       0.2000       0         0.200       0.0150       0.2000       0         0.200       0.0150       0.2000       0         0.41       0.0150       0.6000       0         0.641       0.0150       0.6000       0         0.196       0.2000       0       0         SR81888       TestNo:       SW         GC4_150924A       Analysis Date: 9/24         Result       RL       SPK value       Ref Val         0.0991       0.00500       0.1000       0         0.103       0.0150       0.1000       0         0.104       0.0150       0.3000       0         0.210       0.2000       SW       GC4_150924A         Result       RL       SPK value       Ref Val         0.104       0.0150       0.3000       0         0.210       0.00500       0.1000       0         0.100       0.00500       0.1000       0         0.100       0.0150 </td <td>GC4_150924A       Analysis Date: 9/24/2015 3:36:         Result       RL       SPK value       Ref Val       %REC         0.190       0.00500       0.2000       0       95.1         0.195       0.0150       0.2000       0       97.4         0.200       0.0150       0.2000       0       100         0.641       0.0150       0.6000       0       107         0.196       0.2000       98.2       98.2         SR81888       TestNo:       SW8021B         GC4_150924A       Analysis Date: 9/24/2015 9:56:         Result       RL       SPK value       Ref Val       %REC         0.0991       0.00500       0.1000       0       99.1         0.103       0.0150       0.1000       0       103         0.104       0.0150       0.3000       0       103         0.210       0.2000       103       0.210       103         0.210       0.2000       103       0.210       103         0.104       0.0150       0.3000       0       103         0.210       0.2000       105       103       0.210       105         Sr R81888       TestNo:</td> <td>Analysis Date: 9/24/2015 3:36:00 PM         Result       RL       SPK value       Ref Val       %REC       LowLimit         0.190       0.00500       0.2000       0       95.1       80         0.195       0.0150       0.2000       0       97.4       80         0.200       0.0150       0.2000       0       97.4       80         0.200       0.0150       0.2000       0       100       80         0.41       0.0150       0.2000       0       107       80         0.441       0.0150       0.6000       0       107       80         0.196       0.2000       98.2       79       79         D:       R81888       TestNo:       SW8021B       Edet 18 PM         GC4_150924A       Analysis Date: 9/24/2015 9:56:18 PM       80         0.0991       0.00500       0.1000       0       99.1       80         0.103       0.0150       0.1000       0       103       80         0.104       0.0150       0.1000       0       103       80         0.2100       0.2000       103       80       79       79         D:       R81888</td> <td>GC4_150924A       Analysis Date: 9/24/2015 3:36:00 PM       Prep Date         Result       RL       SPK value       Ref Val       %REC       LowLimit HighLimit         0.190       0.00500       0.2000       0       95.1       80       120         0.195       0.0150       0.2000       0       97.4       80       120         0.200       0.0150       0.2000       0       100       80       120         0.200       0.0150       0.2000       0       107       80       120         0.641       0.0150       0.6000       0       107       80       120         0.196       0.2000       98.2       79       135       120         0.196       0.2000       98.2       79       135         R81888       TestNo:       SW8021B       Units:       Prep Date         GC4_150924A       Analysis Date: 9/24/2015 9:56:18 PM       Prep Date         0.0991       0.00500       0.1000       0       103       80       120         0.103       0.0150       0.1000       0       103       80       120         0.104       0.0150       0.3000       0       103       80</td>	GC4_150924A       Analysis Date: 9/24/2015 3:36:         Result       RL       SPK value       Ref Val       %REC         0.190       0.00500       0.2000       0       95.1         0.195       0.0150       0.2000       0       97.4         0.200       0.0150       0.2000       0       100         0.641       0.0150       0.6000       0       107         0.196       0.2000       98.2       98.2         SR81888       TestNo:       SW8021B         GC4_150924A       Analysis Date: 9/24/2015 9:56:         Result       RL       SPK value       Ref Val       %REC         0.0991       0.00500       0.1000       0       99.1         0.103       0.0150       0.1000       0       103         0.104       0.0150       0.3000       0       103         0.210       0.2000       103       0.210       103         0.210       0.2000       103       0.210       103         0.104       0.0150       0.3000       0       103         0.210       0.2000       105       103       0.210       105         Sr R81888       TestNo:	Analysis Date: 9/24/2015 3:36:00 PM         Result       RL       SPK value       Ref Val       %REC       LowLimit         0.190       0.00500       0.2000       0       95.1       80         0.195       0.0150       0.2000       0       97.4       80         0.200       0.0150       0.2000       0       97.4       80         0.200       0.0150       0.2000       0       100       80         0.41       0.0150       0.2000       0       107       80         0.441       0.0150       0.6000       0       107       80         0.196       0.2000       98.2       79       79         D:       R81888       TestNo:       SW8021B       Edet 18 PM         GC4_150924A       Analysis Date: 9/24/2015 9:56:18 PM       80         0.0991       0.00500       0.1000       0       99.1       80         0.103       0.0150       0.1000       0       103       80         0.104       0.0150       0.1000       0       103       80         0.2100       0.2000       103       80       79       79         D:       R81888	GC4_150924A       Analysis Date: 9/24/2015 3:36:00 PM       Prep Date         Result       RL       SPK value       Ref Val       %REC       LowLimit HighLimit         0.190       0.00500       0.2000       0       95.1       80       120         0.195       0.0150       0.2000       0       97.4       80       120         0.200       0.0150       0.2000       0       100       80       120         0.200       0.0150       0.2000       0       107       80       120         0.641       0.0150       0.6000       0       107       80       120         0.196       0.2000       98.2       79       135       120         0.196       0.2000       98.2       79       135         R81888       TestNo:       SW8021B       Units:       Prep Date         GC4_150924A       Analysis Date: 9/24/2015 9:56:18 PM       Prep Date         0.0991       0.00500       0.1000       0       103       80       120         0.103       0.0150       0.1000       0       103       80       120         0.104       0.0150       0.3000       0       103       80

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 4 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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#### CLIENT: Larson & Associates

1509201

### ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm

Work Order:

### RunID: GC4_150929A

The QC data in batch 71671 app 06A, 1509201-07A, 1509201-08									1-05A, 1	509201-
Sample ID LCS-71671	Batch ID:	71671		TestNo	M80	)15V		Units:	mg/Kg	I
SampType: <b>LCS</b>	Run ID:	GC4_1	50929A	Analysis	s Date: <b>9/2</b> 9	9/2015 11:58	8:49 AM	Prep Date:	9/29/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Gasoline Range Organics Surr: Tetrachlorethene		4.84 0.385	0.200	5.000 0.4000	0	96.8 96.3	68 70	126 134		
Sample ID MB-71671	Batch ID:	71671		TestNo	M80	)15V		Units:	mg/Kg	I
SampType: <b>MBLK</b>	Run ID:	GC4_1	50929A	Analysis	s Date: <b>9/2</b> 9	)/2015 1:11:	17 PM	Prep Date:	9/29/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Gasoline Range Organics Surr: Tetrachlorethene		ND 0.449	0.200	0.4000		112	70	134		
Sample ID 1509201-14AMS	Batch ID:	71671		TestNo	M80	)15V		Units:	mg/Kg	J-dry
SampType: <b>MS</b>	Run ID:	GC4_1	50929A	Analysi	s Date: 9/29	9/2015 9:12:	39 PM	Prep Date:	9/29/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Gasoline Range Organics Surr: Tetrachlorethene		5.63 0.488	0.232	5.797 0.4637	0	97.1 105	68 70	126 134		
Sample ID 1509201-14AMSD	Batch ID:	71671		TestNo	M80	)15V		Units:	mg/Kg	J-dry
SampType: <b>MSD</b>	Run ID:	GC4_1	50929A	Analysis	s Date: 9/29	9/2015 9:37:	02 PM	Prep Date:	9/29/2	015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	6RPD R	PDLimit Qual
Gasoline Range Organics Surr: Tetrachlorethene		5.34 0.458	0.215	5.378 0.4303	0	99.4 106	68 70	126 134	5.19 0	30 0

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 5 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Work Order: Project:	Larson & 1 1509201 Chevron L				AN	ALYT	ICAL ( RunII	-	MMA 6C4_1509	RY REPORT 929A
Sample ID ICV-15	0929	Batch ID:	R81950		TestNo	. M80	15V		Units:	mg/Kg
SampType: <b>ICV</b>		Run ID:	GC4_1509	929A	Analysi	s Date: <b>9/29</b>	/2015 11:18	3:23 AM	Prep Date	:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Gasoline Range Or	ganics		9.99	0.200	10.00	0	99.9	80	120	
Surr: Tetrachlore	thene		0.311		0.4000		77.7	70	134	_
Sample ID CCV1-	150929	Batch ID:	R81950		TestNo	: M80	15V		Units:	mg/Kg
SampType: <b>ССV</b>		Run ID:	GC4_1509	929A	Analysi	s Date: <b>9/29</b>	/2015 6:47:	34 PM	Prep Date	:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Gasoline Range Or	ganics		5.39	0.200	5.000	0	108	80	120	
Surr: Tetrachlore	thene		0.416		0.4000		104	70	134	
Sample ID CCV2-	150929	Batch ID:	R81950		TestNo	: M80	15V		Units:	mg/Kg
SampType: <b>CCV</b>		Run ID:	GC4_1509	929A	Analysi	s Date: <b>9/29</b>	/2015 10:25	5:27 PM	Prep Date	:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Gasoline Range Or	ganics		5.30	0.200	5.000	0	106	80	120	
Surr: Tetrachlore	thene		0.417		0.4000		104	70	134	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 6 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

#### **CLIENT:** Larson & Associates

1509201

### ANALYTICAL QC SUMMARY REPORT

Work Order: Chevron Landfa Project.

work Order:	1509201									
5	Chevron Landfarm					RunID		C2_150929		
The QC data in batch 06A, 1509201-07A, 15									1-05A, 15	09201-
Sample ID LCS-716	60 Batch ID	: <b>71660</b>		TestNo:	E300			Units:	mg/Kg	
SampType: <b>LCS</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29/</b> 2	2015 12:14:4	48 PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		50.9	5.00	50.00	0	102	80	120		
Sample ID LCSD-71	660 Batch ID	: 71660		TestNo:	E300			Units:	mg/Kg	
SampType: <b>LCSD</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29/</b> 2	2015 12:29:2	23 PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		50.2	5.00	50.00	0	100	80	120	1.39	20
Sample ID MB-7166	0 Batch ID	: 71660		TestNo:	E300			Units:	mg/Kg	
SampType: <b>MBLK</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29</b> /2	2015 12:43:	57 PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		ND	5.00							
Sample ID <b>1509201-</b>	06AMS Batch ID	71660		TestNo:	E300			Units:	mg/Kg-	dry
SampType: <b>MS</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29/</b> 2	2015 4:48:24	4 PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		134	5.79	115.8	0	116	80	120		
Sample ID 1509201-	06AMSD Batch ID	71660		TestNo:	E300			Units:	mg/Kg-	dry
SampType: <b>MSD</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29</b> /2	2015 5:02:58	B PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		139	5.97	119.5	0	116	80	120	3.46	20
Sample ID 1509201-	14AMS Batch ID	71660		TestNo:	E300			Units:	mg/Kg-	dry
SampType: <b>MS</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29</b> /2	2015 5:17:33	3 PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		127	5.35	107.0	5.604	114	80	120		
Sample ID <b>1509201-</b>	14AMSD Batch ID	71660		TestNo:	E300			Units:	mg/Kg-	dry
SampType: <b>MSD</b>	Run ID:	IC2_15092	9B	Analysis	s Date: <b>9/29</b> /2	2015 5:32:07	7 PM	Prep Date:	9/29/20	15
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit %	RPD RP	DLimit Qual
Chloride		141	5.96	119.1	5.604	113	80	120	10.1	20

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 7 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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Work Order:	1509201		ANALY IICAL QC SUMMA							
Project:	Chevron I	Landfarm					RunII	): I	IC2_1509	29B
Sample ID ICV-1	50929	Batch ID:	R81929		TestNo:	E30	0		Units:	mg/Kg
SampType: <b>ICV</b>		Run ID:	IC2_150	)929B	Analysis	Date: 9/29	9/2015 9:21:	19 AM	Prep Date	•:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qua
Chloride			26.0	5.00	25.00	0	104	90	110	
Sample ID CCV1	-150929	Batch ID:	R81929		TestNo:	E30	0		Units:	mg/Kg
SampType: <b>CCV</b>		Run ID:	IC2_150	)929B	Analysis	Date: 9/29	0/2015 11:24	:09 AM	Prep Date	2
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qua
Chloride			10.5	5.00	10.00	0	105	90	110	
Sample ID CCV2	-150929	Batch ID:	R81929		TestNo:	E30	0		Units:	mg/Kg
SampType: <b>ССV</b>		Run ID:	IC2_150	)929B	Analysis	Date: 9/29	9/2015 3:28:	38 PM	Prep Date	:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qua
Chloride			10.6	5.00	10.00	0	106	90	110	
Sample ID CCV3	-150929	Batch ID:	R81929		TestNo:	E30	0		Units:	mg/Kg
SampType: <b>CCV</b>		Run ID:	IC2_150	)929B	Analysis	Date: 9/29	0/2015 6:01:	16 PM	Prep Date	:
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLimit Qua
Chloride			10.5	5.00	10.00	0	105	90	110	

ANALYTICAL QC SUMMARY REPORT

**CLIENT:** 

Larson & Associates

Qualifiers:	в	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 8 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

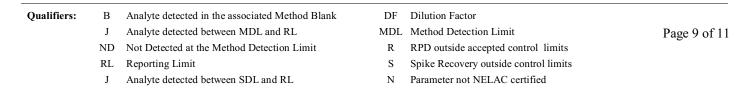
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#### **CLIENT:** Larson & Associates 1509201

### ANALYTICAL QC SUMMARY REPORT

Work Order:

Project: Chevr	on Landfarm					RunII	<b>):</b> ]	IR207_151	1001A	
The QC data in batch 71675 06B, 1509201-07B, 150920									01-05B, 150920	)1-
Sample ID ICV-151001	Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg	
SampType: <b>ICV</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /'	1/2015 3:17:	00 PM	Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLim	nit Qual
Petroleum Hydrocarbons, TF	२	261	10.0	250.0	0	105	90	110		Ν
Sample ID MB-71675	Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg	
SampType: <b>MBLK</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /	1/2015 3:17:	00 PM	Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TF	٦	ND	10.0							Ν
Sample ID LCS-71675	Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg	
SampType: <b>LCS</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /	1/2015 3:17:	00 PM	Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, Tf	۲	99.1	10.0	100.0	0	99.1	80	120		Ν
Sample ID 1509201-08BM	S Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg-dry	
SampType: <b>MS</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /	1/2015 3:17:	00 PM	Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	nit HighLimit	%RPD RPDLim	nit Qual
Petroleum Hydrocarbons, TF	۲	96.3	10.8	108.2	0	89.0	80	120		Ν
Sample ID 1509201-08BM	SD Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg-dry	
SampType: <b>MSD</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /	1/2015 3:17:	00 PM	Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TF	२	99.4	11.5	115.4	0	86.1	80	120	3.12 20	Ν
Sample ID CCV1-151001	Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg	
SampType: <b>CCV</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /	1/2015 3:17:	00 PM	Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TF	۲	263	10.0	250.0	0	105	85	115		Ν
Sample ID CCV2-151001	Batch ID:	71675		TestNo	E41	18.1		Units:	mg/Kg	
SampType: <b>CCV</b>	Run ID:	IR207_	151001A	Analysi	s Date: <b>10</b> /	1/2015 3:17:	00 PM	Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLin	nit HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TF	2	267	10.0	250.0	0	107	85	115		Ν



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CLIENT: Work Order:	Larson & 1509201	Associates			ANALYTICAL QC SUMMARY REPOR								
Project:	Chevron I	andfarm					RunII	D: 1	PMOIST_	1509231	B		
The QC data in batch 71573 applies to the following samples: 1509201-01B, 1509201-02B, 1509201-03B, 1509201-04B, 1509201-05B, 1509201- 06B, 1509201-07B, 1509201-08B													
Sample ID 15092	01-07B-DUP	Batch ID:	71573		TestNo	D221	6		Units:	WT%			
SampType: <b>DUP</b>		Run ID:	PMOIST	_150923B	Analysi	s Date: <b>9/24/</b>	2015 9:20:	00 AM	Prep Date:	9/23/20	15		
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RF	DLimit Qual		
Percent Moisture			14.9	0	0	14.78				0.649	30		

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 10 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Work Order:	Larson & 1509201	Associates		ANALYTICAL QC SUMMARY REPORT									
Project:	Chevron I	andfarm					RunID	): F	PMOIST_1	50923C			
The QC data in batch 71574 applies to the following samples: 1509201-09B, 1509201-10B, 1509201-11B, 1509201-12B, 1509201-13B, 1509201-14B													
Sample ID 15092	01-14B-DUP	Batch ID:	71574		TestNo	: <b>D22</b> '	16		Units:	WT%			
SampType: <b>DUP</b>		Run ID:	PMOIST_	150923C	Analysi	s Date: <b>9/24</b>	/2015 9:20:0	00 AM	Prep Date:	9/23/2015			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	RPD RPDLin	nit Qual		
Percent Moisture			16.5	0	0	18.17				9.59 30			

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 11 of 11
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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December 29, 2015



Kimberly Huckaba Larson & Associates 507 N. Marienfeld #200 Midland, TX 79701 TEL: (432) 687-0901 FAX (432) 687-0456 RE: Chevron Landfarm/6-0137-01

Order No.: 1512223

Dear Kimberly Huckaba:

DHL Analytical, Inc. received 7 sample(s) on 12/17/2015 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-15



2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229 www.dhlanalytical.com

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Miscellaneous Documents	
CaseNarrative 1512223	
WorkOrderSampleSummary 1512223	
PrepDatesReport 1512223	
AnalyticalDatesReport 1512223	
Analytical Report 1512223	
AnalyticalQCSummaryReport 1512223	

N ² 42259 CHAIN-OF-CUSTODY	2015 DHL WORK O R NAME: Chevro	C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9. (2. (2. (2. (2. (2. (2. (2. (2. (2. (2												TURN AHOUND LIME LABOHAIONT USE UNLI. RUSH D CALL FIRST RECEIVING TEMP: 5-1 THERM # 28	ROKEN		
TX 78664 229		S. C. S.	100 00 00 000 000 000 000 000 000 000 0	2 2 2	2 2 2	ン ン ン												ю
2300 Double Creek Drive • Round Rock, TX 78664 Phone (512) 388-8222 • FAX (512) 388-8229	INC Ste Zor, Mudlow 237- Ousle		NNLHES ICE ► H ⁵ 20 ⁵ □ HNO ³ HCI ₩ 01 C001		2 2	7		2 /					-	- I.	• • •	RECEIVED BX, (8)gmature)	RECEIVED BY: (Signature)	0' Return
00 Double 10ne (512)	<u>ssociates</u> , enfeld <u>St</u> , <u>S</u> fax (432)(3 son Huckabo		Container Type	402											/15 17:00	DATE/TIME	DATE/TIME	55.00 each
15 (S) 	LIENT FAX	P=PAINT SL=SLUDGE OT=OTHER	Time Matrix	1910 45 5	11.00	0131	92 <u>- 1</u>	<u>بح:</u> الج:	12,05						12/16/15	Ell Philo	DATI	T DHL DISPOSAL @ \$5.00 each
		S≕SOIL W≔WATER A≃AIR	DHL Lab # Date	61 14/6/	20	B	94	6	) 00 01	•					Keigmature)	Signature)	nature)	DHLD
	DIFIONAL REPORT COPIES TO:	Authorize 5% surcharge for TRRP report? ]Yes 🛛 No	Sample 1.D.	11,24 (2'-3')	e1125(2'-3')	GI1 17(2'	211 18 (2-3)	all 19 (2' 3')	20 20 20 20 20 20 20 20 20 20 20 20 20 2		ter (	http:/		)TAL	"TINONIZHER TRA	RELINQUISHED BY: (Sig	RELINQUISHED BY: (Signature)	



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	Sample	Receipt Check	klist				
Client Name Larson & Associates			Date Recei	ved:	12/17/201	5	
Work Order Number 1512223			Received by	/ JB			
Checklist completed by:	15 FedEx 1day	Reviewed by	y	· · .	12/17/2015 Date		
Shipping container/cooler in good condition?		Yes 🔽	No	Not Present	t 🗔		
Custody seals intact on shippping container/co	oler?	Yes 🗌	No 🗀	Not Present	t 🗹		
Custody seals intact on sample bottles?		Yes	No 🗌	Not Present	t 🗹		
Chain of custody present?		Yes 🔽	No 🗍				
Chain of custody signed when relinquished and	I received?	Yes 🗹	Νο				
Chain of custody agrees with sample labels?		Yes 🗹	No 🗌				
Samples in proper container/bottle?		Yes 🗹	No 🗌				
Sample containers intact?		Yes 🗹	No 🗔				
Sufficient sample volume for indicated test?		Yes 🗹	No 🗌				
All samples received within holding time?		Yes 🗹	No 🗌				
Container/Temp Blank temperature in complian	ice?	Yes 🗹	No 🗔	5.1 °C			
Water - VOA vials have zero headspace?		Yes 🗌	No 🗀	No VOA vials	submitted		
Water - pH<2 acceptable upon receipt?		Yes 🗌	Νο		OT #		
		Adjusted?		Checked I	by		
Water - ph>9 (S) or ph>12 (CN) acceptable upo	on receipt?	Yes 🗌	No 🗌		OT #		
		Adjusted?		Checked I	by	<u> </u>	
Any No response must be detailed in the comm	nents section below.	·					
Client contacted	Date contacted:	- <u></u>	Pers	son contacted			
Contacted by:	Regarding						
Comments:						-	
			··· ·				
· · · · · · · · · · · · · · · · · · ·							
Corrective Action							
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CLIENT:Larson & AssociatesProject:Chevron Landfarm/6-0137-01Lab Order:1512223

### CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method M8015D - DRO Analysis Method M8015V - GRO Analysis Method SW8021B - Volatile Organics by GC Analysis Method E418.1 - TRPH Analysis (This parameter is not NELAC Certified) Method D2216 - Percent Moisture Analysis

### LOG IN

The samples were received and log-in performed on 12/17/2015. A total of 7 samples were received and analyzed. The samples arrived in good condition and were properly packaged. The samples were collected in Mountain Standard Time.

### VOLATILE ORGANICS BY GC AND GRO ANALYSIS

As per the TCEQ-NELAP accreditation requirement the following must be noted: NELAP requires a note that if 5035 sampling method for VOCs and GRO is not utilized, the results of samples collected in bulk containers for low level volatile components may be compromised. The client has been notified and has requested the Laboratory to proceed with analysis.

**Date:** 29-Dec-15

CLIENT: Project: Lab Order:	Larson & Associates Chevron Landfarm/0 1512223	-	Work Order Sample	Summary
Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1512223-01	Cell 26 (2-3')		12/16/15 10:45 AM	12/17/2015
1512223-02	Cell 25 (2-3')		12/16/15 11:00 AM	12/17/2015
1512223-03	Cell 17 (2-3')		12/16/15 11:10 AM	12/17/2015
1512223-04	Cell 18 (2-3')		12/16/15 11:20 AM	12/17/2015
1512223-05	Cell 19 (2-3')		12/16/15 11:30 AM	12/17/2015
1512223-06	Cell 20 (2-3')		12/16/15 11:40 AM	12/17/2015
1512223-07	Cell 21 (2-3')		12/16/15 12:05 PM	12/17/2015

29-Dec-15

	1011101						
Client: Project:	Larson & Associates Chevron Landfarm/6-0137-01	ciates arm/6-0137-01			PREP I	PREP DATES REPORT	<b></b>
Sample ID	Client Sample ID	<b>Collection Date</b>	Matrix	Test Number	Test Name	Prep Date	Batch ID
1512223-01A	Cell 26 (2-3')	12/16/15 10:45 AM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 26 (2-3')	12/16/15 10:45 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
1512223-01B	Cell 26 (2-3')	12/16/15 10:45 AM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929
	Cell 26 (2-3')	12/16/15 10:45 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 26 (2-3')	12/16/15 10:45 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921
151223-02A	Cell 25 (2-3')	12/16/15 11:00 AM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 25 (2-3')	12/16/15 11:00 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
1512223-02B	Cell 25 (2-3')	12/16/15 11:00 AM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929
	Cell 25 (2-3')	12/16/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 25 (2-3')	12/16/15 11:00 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921
151223-03A	Cell 17 (2-3')	12/16/15 11:10 AM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 17 (2-3')	12/16/15 11:10 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
151223-03B	Cell 17 (2-3')	12/16/15 11:10 AM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929
	Cell 17 (2-3')	12/16/15 11:10 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 17 (2-3')	12/16/15 11:10 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921
1512223-04A	Cell 18 (2-3')	12/16/15 11:20 AM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 18 (2-3')	12/16/15 11:20 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
1512223-04B	Cell 18 (2-3')	12/16/15 11:20 AM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929
	Cell 18 (2-3')	12/16/15 11:20 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 18 (2-3')	12/16/15 11:20 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921
151223-05A	Cell 19 (2-3')	12/16/15 11:30 AM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 19 (2-3')	12/16/15 11:30 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
151223-05B	Cell 19 (2-3')	12/16/15 11:30 AM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929
	Cell 19 (2-3')	12/16/15 11:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 19 (2-3')	12/16/15 11:30 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921
1512223-06A	Cell 20 (2-3')	12/16/15 11:40 AM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 20 (2-3')	12/16/15 11:40 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
1512223-06B	Cell 20 (2-3')	12/16/15 11:40 AM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929

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Lab Order:	1512223						
Client:	Larson & Associates	ciates			PREP	<b>PREP DATES REPORT</b>	
Project:	Chevron Landfarm/6-0137-01	arm/6-0137-01					
Sample ID	Client Sample ID	<b>Collection Date</b>	Matrix	Test Number	Test Name	Prep Date	Batch ID
l512223-06B	Cell 20 (2-3')	12/16/15 11:40 AM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 20 (2-3')	12/16/15 11:40 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921
1512223-07A	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	SW5030C	Purge and Trap Soils GC- Gas	12/29/15 09:41 AM	72970
l512223-07B	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	D2216	Moisture Preparation	12/23/15 03:59 PM	72929
	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	SW3550C	Soil Prep Sonication: DRO	12/21/15 10:38 AM	72869
	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921

29-Dec-15

DHL Analytical, Inc.

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DHL Ani	DHL Analytical, Inc.						29-Dec-15	
Lab Order: Client:	1512223 Larson & Associates	les			ANA	ALYTIC	ANALYTICAL DATES REPORT	REPORT
Project:	Chevron Landfarm/6-0137-01	n/6-0137-01						
Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1512223-01A	Cell 26 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 11:37 AM	GC4_151229A
	Cell 26 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 04:23 PM	GC4_151223A
1512223-01B	Cell 26 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	$PMOIST_151223A$
	Cell 26 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 02:18 PM	GC15_151221B
	Cell 26 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	$\mathrm{IR207}_{-}151223\mathrm{A}$
151223-02A	Cell 25 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 12:01 PM	GC4_151229A
	Cell 25 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 04:47 PM	GC4_151223A
1512223-02B	Cell 25 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	$PMOIST_151223A$
	Cell 25 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 02:27 PM	GC15_151221B
	Cell 25 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	$\mathrm{IR207}_{-151223\mathrm{A}}$
151223-03A	Cell 17 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 12:25 PM	GC4_151229A
	Cell 17 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 05:12 PM	GC4_151223A
151223-03B	Cell 17 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	$PMOIST_151223A$
	Cell 17 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 02:36 PM	GC15_151221B
	Cell 17 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	$IR207_151223A$
1512223-04A	Cell 18 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 12:49 PM	GC4_151229A
	Cell 18 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 05:36 PM	GC4_151223A
1512223-04B	Cell 18 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	$PMOIST_151223A$
	Cell 18 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 03:03 PM	GC15_151221B
	Cell 18 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	$\mathrm{IR207}_{-151223A}$
151223-05A	Cell 19 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 01:14 PM	GC4_151229A
	Cell 19 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 06:00 PM	GC4_151223A
151223-05B	Cell 19 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	$PMOIST_151223A$
	Cell 19 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 03:12 PM	GC15_151221B

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PMOIST_151223A

12/24/15 09:00 AM

-

IR207_151223A GC4_151229A GC4_151223A

12/21/15 03:12 PM 12/23/15 12:30 PM 12/29/15 01:38 PM 12/23/15 06:24 PM

72869 72921 72970 72922 72929

> TPH Purgeable by GC - Soil Volatile Organics by GC Percent Moisture

M8015V SW8021B

D2216

Page 1 of 2

1512223-06B

TRPH

M8015D E418.1

Soil Soil Soil Soil Soil

Cell 19 (2-3') Cell 19 (2-3')

Cell 20 (2-3') Cell 20 (2-3') Cell 20 (2-3')

1512223-06A

Lab Order:         1512223           Client:         Larson & Associates           Project:         Chevron Landfarm/6-0137-01           Sample ID         Chent Sample ID         Matrix           1512223-06B         Cell 20 (2-3')         Soil           1512223-07A         Cell 20 (2-3')         Soil           1512223-07A         Cell 21 (2-3')         Soil						
Client Sample ID 5B Cell 20 (2-3') 6ell 20 (2-3') 7A Cell 21 (2-3') 6-41 21 (2-3')	137-01		ANA	ALYTIC	ANALYTICAL DATES REPORT	REPORT
Cell 20 (2-3') Cell 20 (2-3') Cell 21 (2-3') Coll 21 (2-3')	Matrix Test Numbe	Test Number Test Name	Batch ID	Dilution	Analysis Date	Run ID
Cell 20 (2-3') Cell 21 (2-3') Coll 21 (2-3')	Soil M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 03:21 PM	GC15_151221B
Cell 21 (2-3')	Soil E418.1	TRPH	72921	1	12/23/15 12:30 PM	$IR207_{-}151223A$
	Soil M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 02:02 PM	$GC4_151229A$
	Soil SW8021B	Volatile Organics by GC	72922	1	12/23/15 06:49 PM	$GC4_151223A$
1512223-07B Cell 21 (2-3') 5	Soil D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	$PMOIST_151223A$
Cell 21 (2-3') 5	Soil M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 03:30 PM	GC15_151221B
Cell 21 (2-3') 5	Soil E418.1	TRPH	72921	1	12/23/15 12:30 PM	$\mathrm{IR207}_{-151223A}$

CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 2	6 (2-3')	
Project:	Chevron Landfarm/6	-0137-01			L	ab ID: 15122	23-01	
Project No:	6-0137-01			C	ollection	<b>Date:</b> 12/16/	15 10:45	AM
Lab Order:	1512223				N	Aatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTA	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO
TPH-DRO C10-C	28	<13.1	13.1	13.1		mg/Kg-dry	1	12/21/15 02:18 PM
Surr: Isopropy	lbenzene	73.0	0	47-142		%REC	1	12/21/15 02:18 PM
Surr: Octacosa	ane	86.9	0	25-162		%REC	1	12/21/15 02:18 PM
TPH PURGEABI	LE BY GC - SOIL		M80 ⁻	15V				Analyst: <b>AV</b>
Gasoline Range	Organics	0.414	0.116	0.232		mg/Kg-dry	1	12/29/15 11:37 AM
Surr: Tetrachlo	orethene	114	0	70-134		%REC	1	12/29/15 11:37 AM
VOLATILE ORG	ANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		< 0.00633	0.00380	0.00633		mg/Kg-dry	1	12/23/15 04:23 PM
Ethylbenzene		<0.0190	0.00633	0.0190		mg/Kg-dry	1	12/23/15 04:23 PM
Toluene		<0.0190	0.00633	0.0190		mg/Kg-dry	1	12/23/15 04:23 PM
Xylenes, Total		<0.0190	0.00633	0.0190		mg/Kg-dry	1	12/23/15 04:23 PM
Surr: Tetrachlo	proethene	115	0	79-135		%REC	1	12/23/15 04:23 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydro	carbons, TR	<13.0	6.48	13.0	Ν	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOIS	TURE		D22	16				Analyst: <b>BJT</b>
Percent Moisture	)	25.8	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie		ple ID: Cell 2:	. ,	
Project:	Chevron Landfarm/6	-0137-01			L	ab ID: 15122	23-02	
Project No:	6-0137-01			C	ollectior	<b>Date:</b> 12/16/	15 11:00	AM
Lab Order:	1512223				Ν	fatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO
TPH-DRO C10-	C28	<11.2	11.2	11.2		mg/Kg-dry	1	12/21/15 02:27 PM
Surr: Isopropy	ylbenzene	73.3	0	47-142		%REC	1	12/21/15 02:27 PM
Surr: Octacos	sane	91.2	0	25-162		%REC	1	12/21/15 02:27 PM
TPH PURGEAB	SLE BY GC - SOIL		M80 ⁻	15V				Analyst: <b>AV</b>
Gasoline Range	Organics	<0.206	0.103	0.206		mg/Kg-dry	1	12/29/15 12:01 PM
Surr: Tetrach	lorethene	109	0	70-134		%REC	1	12/29/15 12:01 PM
VOLATILE ORG	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		<0.00542	0.00325	0.00542		mg/Kg-dry	1	12/23/15 04:47 PM
Ethylbenzene		<0.0163	0.00542	0.0163		mg/Kg-dry	1	12/23/15 04:47 PM
Toluene		<0.0163	0.00542	0.0163		mg/Kg-dry	1	12/23/15 04:47 PM
Xylenes, Total		<0.0163	0.00542	0.0163		mg/Kg-dry	1	12/23/15 04:47 PM
Surr: Tetrach	loroethene	107	0	79-135		%REC	1	12/23/15 04:47 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydro	ocarbons, TR	<10.8	5.38	10.8	Ν	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>BJT</b>
Percent Moistur	e	12.3	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Samj	ple ID: Cell 1	7 (2-3')	
Project:	Chevron Landfarm/6	-0137-01			L	ab ID: 15122	23-03	
Project No:	6-0137-01			C	ollectior	<b>Date:</b> 12/16/	15 11:10	AM
Lab Order:	1512223				N	fatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO
TPH-DRO C10-	-C28	<10.7	10.7	10.7		mg/Kg-dry	1	12/21/15 02:36 PM
Surr: Isoprop	ylbenzene	72.4	0	47-142		%REC	1	12/21/15 02:36 PM
Surr: Octaco	sane	82.2	0	25-162		%REC	1	12/21/15 02:36 PM
TPH PURGEAE	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: <b>AV</b>
Gasoline Range	e Organics	<0.224	0.112	0.224		mg/Kg-dry	1	12/29/15 12:25 PM
Surr: Tetrach	lorethene	110	0	70-134		%REC	1	12/29/15 12:25 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		<0.00545	0.00327	0.00545		mg/Kg-dry	1	12/23/15 05:12 PM
Ethylbenzene		<0.0163	0.00545	0.0163		mg/Kg-dry	1	12/23/15 05:12 PM
Toluene		<0.0163	0.00545	0.0163		mg/Kg-dry	1	12/23/15 05:12 PM
Xylenes, Total		<0.0163	0.00545	0.0163		mg/Kg-dry	1	12/23/15 05:12 PM
Surr: Tetrach	loroethene	110	0	79-135		%REC	1	12/23/15 05:12 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydr	rocarbons, TR	<10.9	5.46	10.9	Ν	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>BJT</b>
Percent Moistu	re	11.7	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 1	8 (2-3')	
Project:	Chevron Landfarm/6	-0137-01			L	ab ID: 15122	23-04	
Project No:	6-0137-01			С	ollection	<b>Date:</b> 12/16/	15 11:20	AM
Lab Order:	1512223				N	Aatrix: SOIL		
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACT	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO
TPH-DRO C10-	·C28	<10.9	10.9	10.9		mg/Kg-dry	1	12/21/15 03:03 PM
Surr: Isoprop	ylbenzene	74.4	0	47-142		%REC	1	12/21/15 03:03 PM
Surr: Octaco	sane	84.3	0	25-162		%REC	1	12/21/15 03:03 PM
TPH PURGEAE	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: <b>AV</b>
Gasoline Range	e Organics	<0.222	0.111	0.222		mg/Kg-dry	1	12/29/15 12:49 PM
Surr: Tetrach	lorethene	116	0	70-134		%REC	1	12/29/15 12:49 PM
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>
Benzene		<0.00540	0.00324	0.00540		mg/Kg-dry	1	12/23/15 05:36 PM
Ethylbenzene		<0.0162	0.00540	0.0162		mg/Kg-dry	1	12/23/15 05:36 PM
Toluene		<0.0162	0.00540	0.0162		mg/Kg-dry	1	12/23/15 05:36 PM
Xylenes, Total		<0.0162	0.00540	0.0162		mg/Kg-dry	1	12/23/15 05:36 PM
Surr: Tetrach	loroethene	111	0	79-135		%REC	1	12/23/15 05:36 PM
TRPH			E41	8.1				Analyst: ABO
Petroleum Hydr	ocarbons, TR	<11.0	5.48	11.0	Ν	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOI	STURE		D22	16				Analyst: <b>BJT</b>
Percent Moistur	e	10.1	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Cli	ent Samj	ple ID: Cell 19	9 (2-3')			
Project:	Chevron Landfarm/6	-0137-01	1 Lab ID: 1512223-05							
Project No:	6-0137-01		<b>Collection Date: </b> 12/16/15 11:30 AM							
Lab Order:	1512223				N	latrix: SOIL				
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed		
TPH EXTRACT	ABLE BY GC - SOIL		M80′	15D				Analyst: ABO		
TPH-DRO C10-	-C28	<12.5	12.5	12.5		mg/Kg-dry	1	12/21/15 03:12 PM		
Surr: Isoprop	ylbenzene	72.6	0	47-142		%REC	1	12/21/15 03:12 PM		
Surr: Octaco	sane	89.3	0	25-162		%REC	1	12/21/15 03:12 PM		
TPH PURGEAE	BLE BY GC - SOIL		M80 ²	15V				Analyst: <b>AV</b>		
Gasoline Range	e Organics	0.141	0.119	0.238	J	mg/Kg-dry	1	12/29/15 01:14 PM		
Surr: Tetrach	lorethene	109	0	70-134		%REC	1	12/29/15 01:14 PM		
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>		
Benzene		< 0.00603	0.00362	0.00603		mg/Kg-dry	1	12/23/15 06:00 PM		
Ethylbenzene		<0.0181	0.00603	0.0181		mg/Kg-dry	1	12/23/15 06:00 PM		
Toluene		<0.0181	0.00603	0.0181		mg/Kg-dry	1	12/23/15 06:00 PM		
Xylenes, Total		<0.0181	0.00603	0.0181		mg/Kg-dry	1	12/23/15 06:00 PM		
Surr: Tetrach	loroethene	112	0	79-135		%REC	1	12/23/15 06:00 PM		
TRPH			E41	8.1				Analyst: ABO		
Petroleum Hydr	rocarbons, TR	<12.7	6.34	12.7	Ν	mg/Kg-dry	1	12/23/15 12:30 PM		
PERCENT MOI	STURE		D22	16				Analyst: <b>BJT</b>		
Percent Moistu	re	23.1	0	0		WT%	1	12/24/15 09:00 AM		

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 2	0 (2-3')		
Project:	Chevron Landfarm/6	-0137-01			L	ab ID: 15122	23-06		
Project No:	6-0137-01		<b>Collection Date:</b> 12/16/15 11:40 AM						
Lab Order:	1512223				N	fatrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL		M80 [,]	15D				Analyst: ABO	
TPH-DRO C10-	C28	<12.9	12.9	12.9		mg/Kg-dry	1	12/21/15 03:21 PM	
Surr: Isoprop	ylbenzene	78.6	0	47-142		%REC	1	12/21/15 03:21 PM	
Surr: Octacos	sane	90.3	0	25-162		%REC	1	12/21/15 03:21 PM	
TPH PURGEAB	BLE BY GC - SOIL		M80 ⁻	15V				Analyst: <b>AV</b>	
Gasoline Range	organics	<0.261	0.131	0.261		mg/Kg-dry	1	12/29/15 01:38 PM	
Surr: Tetrach	lorethene	105	0	70-134		%REC	1	12/29/15 01:38 PM	
VOLATILE ORG	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		<0.00605	0.00363	0.00605		mg/Kg-dry	1	12/23/15 06:24 PM	
Ethylbenzene		<0.0182	0.00605	0.0182		mg/Kg-dry	1	12/23/15 06:24 PM	
Toluene		<0.0182	0.00605	0.0182		mg/Kg-dry	1	12/23/15 06:24 PM	
Xylenes, Total		<0.0182	0.00605	0.0182		mg/Kg-dry	1	12/23/15 06:24 PM	
Surr: Tetrach	loroethene	106	0	79-135		%REC	1	12/23/15 06:24 PM	
TRPH			E41	8.1				Analyst: ABO	
Petroleum Hydro	ocarbons, TR	<12.7	6.36	12.7	Ν	mg/Kg-dry	1	12/23/15 12:30 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>BJT</b>	
Percent Moistur	e	23.9	0	0		WT%	1	12/24/15 09:00 AM	

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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CLIENT:	Larson & Associates			Clie	ent Sam	ple ID: Cell 2	1 (2-3')		
Project:	Chevron Landfarm/6	-0137-01			L	ab ID: 15122	23-07		
Project No:	6-0137-01		<b>Collection Date:</b> 12/16/15 12:05 PM						
Lab Order:	1512223				Ν	fatrix: SOIL			
Analyses		Result	MDL	RL	Qual	Units	DF	Date Analyzed	
TPH EXTRACT	ABLE BY GC - SOIL		<b>M80</b> 1	5D				Analyst: ABO	
TPH-DRO C10-	-C28	<10.6	10.6	10.6		mg/Kg-dry	1	12/21/15 03:30 PM	
Surr: Isoprop	ylbenzene	79.1	0	47-142		%REC	1	12/21/15 03:30 PM	
Surr: Octacosane		90.1	0	25-162		%REC	1	12/21/15 03:30 PM	
TPH PURGEAE	BLE BY GC - SOIL		M801	15V				Analyst: <b>AV</b>	
Gasoline Range	e Organics	<0.216	0.108	0.216		mg/Kg-dry	1	12/29/15 02:02 PM	
Surr: Tetrach	lorethene	103	0	70-134		%REC	1	12/29/15 02:02 PM	
VOLATILE OR	GANICS BY GC		SW80	21B				Analyst: <b>AV</b>	
Benzene		<0.00510	0.00306	0.00510		mg/Kg-dry	1	12/23/15 06:49 PM	
Ethylbenzene		<0.0153	0.00510	0.0153		mg/Kg-dry	1	12/23/15 06:49 PM	
Toluene		<0.0153	0.00510	0.0153		mg/Kg-dry	1	12/23/15 06:49 PM	
Xylenes, Total		<0.0153	0.00510	0.0153		mg/Kg-dry	1	12/23/15 06:49 PM	
Surr: Tetrach	loroethene	102	0	79-135		%REC	1	12/23/15 06:49 PM	
TRPH			E418	8.1				Analyst: ABO	
Petroleum Hydr	rocarbons, TR	22.5	5.32	10.6	Ν	mg/Kg-dry	1	12/23/15 12:30 PM	
PERCENT MOI	STURE		D22	16				Analyst: <b>BJT</b>	
Percent Moistur	re	7.77	0	0		WT%	1	12/24/15 09:00 AM	

-				
Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	В	Analyte detected in the associated Method Blank
	С	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	Е	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	Ν	Parameter not NELAC certified		

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**CLIENT:** 

Work Order:

# Larson & Associates ANALYTICAL

# ANALYTICAL QC SUMMARY REPORT

Project: Chevron Landfarm/6-0137-01

RunID: GC15_151221B

The QC data in batch 72869 applies to the following samples: 1512223-01E	, 1512223-02B, 1512223-03B	, 1512223-04B, 1512223-05E	3, 1512223-
06B, 1512223-07B			

Sample ID MB-72869	Batch ID:	72869		TestNo	M8	015D		Units:	mg/Kg	
SampType: <b>MBLK</b>	Run ID:	GC15_	151221B	Analysi	s Date: <b>12/</b> 2	21/2015 2:0 [,]	1:00 PM	Prep Date:	12/21/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLimit	Qua
TPH-DRO C10-C28		<10.0	10.0							
Surr: Isopropylbenzene		4.79		7.500		63.8	47	142		
Surr: Octacosane		6.73		7.500		89.7	25	162		
Sample ID LCS-72869	Batch ID:	72869		TestNo	M80	015D		Units:	mg/Kg	
SampType: <b>LCS</b>	Run ID:	GC15_	_151221B	Analysi	s Date: <b>12</b> /2	21/2015 2:09	9:59 PM	Prep Date:	12/21/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit %	%RPD RPDLimit	Qual
TPH-DRO C10-C28		100	10.0	125.0	0	80.3	50	114		
Surr: Isopropylbenzene		5.92		7.500		78.9	47	142		
Surr: Octacosane		6.75		7.500		90.0	25	162		
Sample ID 1512223-03BMS	Batch ID:	72869		TestNo	M80	015D		Units:	mg/Kg-dry	
Sample ID <b>1512223-03BMS</b> SampType: <b>MS</b>	Batch ID: Run ID:		_151221B			015D 21/2015 2:4	5:54 PM	Units: Prep Date:	mg/Kg-dry 12/21/2015	
	Run ID:		_ <b>151221B</b> RL					Prep Date:		Qua
SampType: <b>MS</b>	Run ID:	GC15_	-	Analysi	s Date: <b>12/2</b>	21/2015 2:4		Prep Date:	12/21/2015	Qual
SampType: <b>MS</b> Analyte	Run ID:	GC15_ Result	RL	Analysi SPK value	s Date: <b>12/2</b> Ref Val	21/2015 2:4	LowLim	Prep Date: it HighLimit %	12/21/2015	Qual
SampType: <b>MS</b> Analyte TPH-DRO C10-C28	Run ID:	GC15_ Result	RL	Analysi SPK value 135.1	s Date: <b>12/2</b> Ref Val	21/2015 2:4 %REC 74.6	LowLim	Prep Date: it HighLimit % 114	12/21/2015	Qual
SampType: <b>MS</b> Analyte TPH-DRO C10-C28 Surr: Isopropylbenzene	Run ID:	GC15_ Result 101 6.20	RL	Analysi SPK value 135.1 8.108	s Date: <b>12/</b> 2 Ref Val 0	21/2015 2:4 %REC 74.6 76.5	LowLim 50 47	Prep Date: it HighLimit % 114 142	12/21/2015	Qual
SampType: <b>MS</b> Analyte TPH-DRO C10-C28 Surr: Isopropylbenzene Surr: Octacosane	Run ID:	GC15_ Result 101 6.20 6.62 72869	RL	Analysi SPK value 135.1 8.108 8.108 TestNo	s Date: <b>12</b> /2 Ref Val 0	21/2015 2:49 %REC 74.6 76.5 81.7	LowLim 50 47 25	Prep Date: it HighLimit 9 114 142 162	12/21/2015 %RPD RPDLimit (	Qual
SampType: <b>MS</b> Analyte TPH-DRO C10-C28 Surr: Isopropylbenzene Surr: Octacosane Sample ID <b>1512223-03BMSD</b>	Run ID: Batch ID:	GC15_ Result 101 6.20 6.62 72869	RL 10.8	Analysi SPK value 135.1 8.108 8.108 TestNo	s Date: <b>12</b> /2 Ref Val 0	21/2015 2:43 %REC 74.6 76.5 81.7	LowLim 50 47 25 4:53 PM	Prep Date: it HighLimit % 114 142 162 Units: Prep Date:	12/21/2015 %RPD RPDLimit ( mg/Kg-dry	
SampType: <b>MS</b> Analyte TPH-DRO C10-C28 Surr: Isopropylbenzene Surr: Octacosane Sample ID <b>1512223-03BMSD</b> SampType: <b>MSD</b>	Run ID: Batch ID:	GC15_ Result 101 6.20 6.62 72869 GC15_	RL 10.8	Analysi SPK value 135.1 8.108 8.108 TestNo Analysi	s Date: 12/2 Ref Val 0 : M80 s Date: 12/2	21/2015 2:44 %REC 74.6 76.5 81.7 015D 21/2015 2:54	LowLim 50 47 25 4:53 PM	Prep Date: it HighLimit % 114 142 162 Units: Prep Date:	12/21/2015 %RPD RPDLimit ( mg/Kg-dry 12/21/2015	
SampType: <b>MS</b> Analyte TPH-DRO C10-C28 Surr: Isopropylbenzene Surr: Octacosane Sample ID <b>1512223-03BMSD</b> SampType: <b>MSD</b> Analyte	Run ID: Batch ID:	GC15_ Result 101 6.20 6.62 72869 GC15_ Result		Analysi SPK value 135.1 8.108 8.108 TestNo Analysi SPK value	s Date: 12/2 Ref Val 0 : M8( s Date: 12/2 Ref Val	21/2015 2:44 %REC 74.6 76.5 81.7 015D 21/2015 2:54 %REC	LowLim 50 47 25 4:53 PM LowLim	Prep Date: it HighLimit % 114 142 162 Units: Prep Date: it HighLimit %	12/21/2015 %RPD RPDLimit ( mg/Kg-dry 12/21/2015 %RPD RPDLimit (	

<b>Oualifiers:</b>	в	Analyte detected in the associated Method Blank	DF	Dilution Factor	
Quanners.	Б	,			
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 1 of 8
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

Work Order:

## ANALYTICAL QC SUMMARY REPORT

1512223 **Project:** Chevron Landfarm/6-0137-01

#### **RunID**: GC15_151221B

Sample ID ICV-151221	Batch ID:	R83267		TestNo:	M80	15D		Units:	mg/Kg
SampType: <b>ICV</b>	Run ID:	GC15_151	221B	Analysis	Date: 12/2	1/2015 9:55	5:31 AM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		513	10.0	500.0	0	103	80	120	
Surr: Isopropylbenzene		26.4		25.00		106	80	120	
Surr: Octacosane		24.6		25.00		98.4	80	120	
Sample ID CCV2-151221	Batch ID:	R83267		TestNo:	M80	15D		Units:	mg/Kg
SampType: <b>CCV</b>	Run ID:	GC15_151	221B	Analysis	Date: 12/2	1/2015 1:46	6:00 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		236	10.0	250.0	0	94.4	80	120	
Surr: Isopropylbenzene		12.7		12.50		101	80	120	
Surr: Octacosane		11.5		12.50		92.3	80	120	
Sample ID CCV3-151221	Batch ID:	R83267		TestNo:	M80	15D		Units:	mg/Kg
SampType: <b>ССV</b>	Run ID:	GC15_151	221B	Analysis	Date: <b>12/2</b>	1/2015 3:39	):42 PM	Prep Date	:
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
TPH-DRO C10-C28		242	10.0	250.0	0	96.7	80	120	
Surr: Isopropylbenzene		12.9		12.50		103	80	120	
Surr: Octacosane		11.5		12.50		91.7	80	120	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 2 of 8
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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### CLIENT: Larson & Associates

### ANALYTICAL QC SUMMARY REPORT

Work Order:1512223Project:Chevron Landfarm/6-0137-01

RunID: GC4_151223A

The QC data in batch 72922 applies to the following samples: 1512223-01A, 1512223-02A, 1512223-03A, 1512223-04A, 1512223-05A, 1512223-06A, 1512223-07A

Sample ID LCS-72922	Batch ID:	72922		TestNo	): <b>SW</b>	8021B		Units:	mg/K	g	
SampType: <b>LCS</b>	Run ID:	GC4_15	51223A	Analys	is Date: 12/2	3/2015 1:39	9:59 PM	Prep Date:	12/23	/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	RPDLimit Qua	
Benzene		0.101	0.00500	0.1000	0	101	65	113			
Toluene		0.103	0.0150	0.1000	0	103	73	115			
Ethylbenzene		0.104	0.0150	0.1000	0	104	74	118			
Xylenes, Total		0.318	0.0150	0.3000	0	106	73	119			
Surr: Tetrachloroethene		0.207		0.2000		104	79	135			
Sample ID MB-72922	Batch ID:	72922		TestNo	: SW	8021B		Units:	mg/K	mg/Kg 12/23/2015 RPD RPDLimit Qua	
SampType: <b>MBLK</b>	Run ID: GC4_151223A			Analys	is Date: <b>12/2</b>	23/2015 2:3	5:51 PM	Prep Date:	12/23	/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	RPDLimit Qua	
Benzene	<	0.00500	0.00500								
Toluene		<0.0150	0.0150								
Ethylbenzene		<0.0150	0.0150								
Xylenes, Total		<0.0150	0.0150								
Surr: Tetrachloroethene		0.219		0.2000		109	79	135			
Sample ID 1512223-07AMS	Batch ID:	72922		TestNo	): <b>SW</b>	8021B		Units:	mg/K	g-dry	
SampType: <b>MS</b>	Run ID:	GC4_15	51223A	Analys	is Date: <b>12/2</b>	23/2015 7:1	5:02 PM	Prep Date:	12/23	/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	RPDLimit Qua	
Benzene		0.107	0.00528	0.1057	0	101	65	113			
Toluene		0.109	0.0159	0.1057	0	103	73	115			
Ethylbenzene		0.108	0.0159	0.1057	0	102	74	118			
Xylenes, Total		0.327	0.0159	0.3170	0	103	73	119			
Surr: Tetrachloroethene		0.225		0.2114		106	79	135			
Sample ID 1512223-07AMSD	Batch ID:	72922		TestNo	): <b>SW</b>	8021B		Units:	mg/K	g-dry	
SampType: <b>MSD</b>	Run ID:	GC4_15	51223A	Analys	is Date: <b>12/2</b>	23/2015 7:40	0:04 PM	Prep Date:	12/23	/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD I	RPDLimit Qua	
Benzene		0.0947	0.00475	0.09495	0	99.7	65	113	12.0	30	
Toluene		0.0968	0.0142	0.09495	0	102	73	115	11.5	30	
Ethylbenzene		0.0976	0.0142	0.09495	0	103	74	118	10.3	30	
Xylenes, Total		0 000	0.04.40	0.2848	0	102	73	119	11.3	30	
		0.292	0.0142	0.2040	0	102	75	119	11.5	30	
Surr: Tetrachloroethene		0.292 0.192	0.0142	0.2848	0	102	79	135	0	30	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 3 of 8
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

#### **CLIENT:** Larson & Associates

Work Order:

## ANALYTICAL QC SUMMARY REPORT

1512223 Chevron Landfarm/6-0137-01 **Project:** 

Project:	Chevron La	ndfarm/6	-0137-01				RunID	): (	GC4_1512	23A
Sample ID ICV-151	223	Batch ID:	R83335		TestNo:	s	W8021B		Units:	mg/Kg
SampType: <b>ICV</b>		Run ID:	GC4_151	223A	Analysis	Date: <b>1</b>	2/23/2015 12:5	8:17 P	Prep Date:	
Analyte			Result	RL	SPK value	Ref Va	I %REC	LowLimi	it HighLimit 🖇	%RPD RPDLimit Qual
Benzene			0.196	0.00500	0.2000	0	97.9	80	120	
Toluene			0.197	0.0150	0.2000	0	98.7	80	120	
Ethylbenzene			0.206	0.0150	0.2000	0	103	80	120	
Xylenes, Total			0.656	0.0150	0.6000	0	109	80	120	
Surr: Tetrachloroe	thene		0.208		0.2000		104	79	135	
Sample ID CCV1-1	51223	Batch ID:	R83335		TestNo:	s	W8021B		Units:	mg/Kg
SampType: <b>CCV</b>		Run ID:	GC4_151	223A	Analysis	Date: <b>1</b>	2/23/2015 8:27	:58 PM	Prep Date:	
Analyte			Result	RL	SPK value	Ref Va	I %REC	LowLimi	it HighLimit 🖇	%RPD RPDLimit Qual
Benzene		(	0.0936	0.00500	0.1000	0	93.6	80	120	
Toluene		(	0.0960	0.0150	0.1000	0	96.0	80	120	
Ethylbenzene		(	0.0956	0.0150	0.1000	0	95.6	80	120	
Xylenes, Total			0.287	0.0150	0.3000	0	95.5	80	120	
Surr: Tetrachloroe	thene		0.210		0.2000		105	79	135	
Sample ID CCV2-1	51223	Batch ID:	R83335		TestNo:	s	W8021B		Units:	mg/Kg
SampType: <b>ССV</b>		Run ID:	GC4_151	223A	Analysis	Date: <b>1</b>	2/24/2015 12:0	7:14 A	Prep Date:	
Analyte			Result	RL	SPK value	Ref Va	I %REC	LowLimi	it HighLimit 🦻	%RPD RPDLimit Qual
Benzene		(	0.0952	0.00500	0.1000	0	95.2	80	120	
Toluene		(	0.0968	0.0150	0.1000	0	96.8	80	120	
Ethylbenzene		(	0.0965	0.0150	0.1000	0	96.5	80	120	
Xylenes, Total			0.287	0.0150	0.3000	0	95.8	80	120	
Surr: Tetrachloroe	thene		0.198		0.2000		99.2	79	135	

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 4 of 8
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

### CLIENT: Larson & Associates

### ANALYTICAL QC SUMMARY REPORT

GC4_151229A

**RunID**:

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

The QC data in batch 72970 applies to the following samples: 1512223-01A, 1512223-02A, 1512223-03A, 1512223-04A, 1512223-05A, 1512223-06A, 1512223-07A

Sample ID LCS-72970										
Sample ID LCS-72970	Batch ID:	72970		TestNo:	M80	015V		Units:	mg/Kg	9
SampType: <b>LCS</b>	Run ID:	GC4_15	51229A	Analysis	s Date: <b>12/2</b>	29/2015 10:	19:31 A	Prep Date:	12/29/	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Gasoline Range Organics		4.36	0.200	5.000	0	87.1	68	126		
Surr: Tetrachlorethene		0.318		0.4000		79.4	70	134		
Sample ID MB-72970	Batch ID:	72970		TestNo:	M80	015V		Units:	mg/Kg	9
SampType: <b>MBLK</b>	Run ID:	GC4_15	51229A	Analysis	s Date: <b>12/2</b>	29/2015 11:0	07:50 A	Prep Date:	12/29/	2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Gasoline Range Organics		<0.200	0.200							
Surr: Tetrachlorethene		0.396		0.4000		98.9	70	134		
Sample ID 1512223-07AMS	Batch ID:	72970		TestNo:	M80	015V		Units:	mg/Kg	g-dry
Sample ID 1512223-07AMS SampType: MS	Batch ID: Run ID:	72970 GC4_15	51229A			015V 29/2015 2:20	6:08 PM	Units: Prep Date:		
•	Run ID:		5 <b>1229A</b> RL					Prep Date:	12/29/	2015
SampType: <b>MS</b>	Run ID:	GC4_15		Analysis	s Date: <b>12/2</b>	29/2015 2:20		Prep Date:	12/29/	2015
SampType: <b>MS</b> Analyte	Run ID:	GC4_15 Result	RL	Analysis SPK value	s Date: <b>12/2</b> Ref Val	29/2015 2:20 %REC	LowLim	Prep Date: it HighLimit	12/29/	2015
SampType: <b>MS</b> Analyte Gasoline Range Organics	Run ID:	GC4_15 Result 4.97	RL	Analysis SPK value 5.305	s Date: <b>12/2</b> Ref Val 0	29/2015 2:20 %REC 93.7	LowLim	Prep Date: it HighLimit 1 126	12/29/	2015
SampType: <b>MS</b> Analyte Gasoline Range Organics Surr: Tetrachlorethene	Run ID:	GC4_15 Result 4.97 0.424	RL 0.212	Analysis SPK value 5.305 0.4244 TestNo:	s Date: <b>12</b> /2 Ref Val 0 <b>M8</b> 0	29/2015 2:20 %REC 93.7 100	LowLim 68 70	Prep Date: it HighLimit 0 126 134	12/29/ %RPD R mg/Kg	2015 PDLimit Qual
SampType: <b>MS</b> Analyte Gasoline Range Organics Surr: Tetrachlorethene Sample ID <b>1512223-07AMSD</b>	Run ID: Batch ID: Run ID:	GC4_15 Result 4.97 0.424 72970	RL 0.212	Analysis SPK value 5.305 0.4244 TestNo:	s Date: <b>12</b> /2 Ref Val 0 <b>M8</b> 0	29/2015 2:20 %REC 93.7 100	LowLimi 68 70 D:10 PM	Prep Date: it HighLimit 0 126 134 Units: Prep Date:	12/29/ %RPD R mg/Kg 12/29/	2015 PDLimit Qual g-dry (2015
SampType: <b>MS</b> Analyte Gasoline Range Organics Surr: Tetrachlorethene Sample ID <b>1512223-07AMSD</b> SampType: <b>MSD</b>	Run ID: Batch ID: Run ID:	GC4_15 Result 4.97 0.424 72970 GC4_15	RL 0.212	Analysis SPK value 5.305 0.4244 TestNo: Analysis	s Date: <b>12</b> /2 Ref Val 0 <b>M8</b> ( s Date: <b>12</b> /2	29/2015 2:20 %REC 93.7 100 015V 29/2015 2:50	LowLimi 68 70 D:10 PM	Prep Date: it HighLimit 0 126 134 Units: Prep Date:	12/29/ %RPD R mg/Kg 12/29/	2015 PDLimit Qual

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 5 of 8
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

CLIENT: Work Order: Project:	1512223	Associates	-		ANALYTICAL QC SUMMARY REPORT RunID: GC4_151229A						
Sample ID ICV-15	1229	Batch ID:	R83391		TestNo	: M80	15V		Units:	mg/Kg	
SampType: ICV Run ID: GC4_151229A			1229A	Analysi	s Date: <b>12/2</b>	9/2015 9:47	7:27 AM	Prep Date	9:		
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual	
Gasoline Range Or	ganics		8.90	0.200	10.00	0	89.0	80	120		
Surr: Tetrachlore	thene		0.292		0.4000		72.9	70	134		
Sample ID CCV1-	151229	Batch ID:	R83391		TestNo	: M80	15V		Units:	mg/Kg	
SampType: <b>CCV</b>		Run ID:	GC4_15	1229A	Analysi	s Date: <b>12/2</b>	9/2015 3:22	2:17 PM	Prep Date	<b>e</b> :	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimi	t HighLimit	%RPD RPDLimit Qual
Gasoline Range Organics	4.44	0.200	5.000	0	88.7	80	120	
Surr: Tetrachlorethene	0.338		0.4000		84.5	70	134	

Qualifiers	: В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 6
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	C
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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### ANALYTICAL QC SUMMARY REPORT

**RunID:** 

IR207_151223A

Work Order:1512223Project:Chevron Landfarm/6-0137-01

Larson & Associates

**CLIENT:** 

The QC data in batch 72921 applies to the following samples: 1512223-01B, 1512223-02B, 1512223-03B, 1512223-04B, 1512223-05B, 1512223-06B, 1512223-07B

000, 1012220 010										
Sample ID ICV-151223	Batch ID:	72921		TestNo:	: E41	8.1		Units:	mg/Kg	
SampType: <b>ICV</b>	Run ID:	IR207_	151223A	Analysi	s Date: <b>12/2</b>	23/2015 12:3	30:00 P	Prep Date	e:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		255	10.0	250.0	0	102	90	110		Ν
Sample ID MB-72921	Batch ID:	72921		TestNo	: <b>E41</b>	8.1		Units:	mg/Kg	
SampType: <b>MBLK</b>	Run ID:	IR207_	_151223A	Analysi	s Date: <b>12/2</b>	23/2015 12:3	30:00 P	Prep Date	e: <b>12/23/2015</b>	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		<10.0	10.0							Ν
Sample ID LCS-72921	Batch ID:	72921		TestNo:	: E41	8.1		Units:	mg/Kg	
SampType: <b>LCS</b>	Run ID:	IR207_	_151223A	Analysi	s Date: <b>12/2</b>	23/2015 12:3	30:00 P	Prep Date	e: <b>12/23/2015</b>	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		106	10.0	100.0	0	106	80	120		Ν
Sample ID 1512223-04BMS	Batch ID:	72921		TestNo	: E41	8.1		Units:	mg/Kg-dry	
SampType: <b>MS</b>	Run ID:	IR207_	151223A	Analysi	s Date: <b>12/2</b>	23/2015 12:3	30:00 P	Prep Date	e: <b>12/23/2015</b>	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	: %RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		110	10.6	105.9	0	103	80	120		Ν
Sample ID 1512223-04BMSD	Batch ID:	72921		TestNo	: E41	8.1		Units:	mg/Kg-dry	
SampType: <b>MSD</b>	Run ID:	IR207_	_151223A	Analysi	s Date: <b>12/2</b>	23/2015 12:3	30:00 P	Prep Date	e: <b>12/23/2015</b>	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD RPDLin	nit Qual
Petroleum Hydrocarbons, TR		115	10.9	108.8	0	106	80	120	4.77 20	Ν
Sample ID CCV-151223	Batch ID:	72921		TestNo	: E41	8.1		Units:	mg/Kg	
SampType: <b>CCV</b>	Run ID:	IR207_	_151223A	Analysi	s Date: <b>12/2</b>	23/2015 12:3	30:00 P	Prep Date	e:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	: %RPD RPDLin	nit Qual
Analyte Petroleum Hydrocarbons, TR		Result 257	RL 10.0	SPK value 250.0	Ref Val 0	%REC 103	LowLim 85	it HighLimit 115	: %RPD RPDLin	nit Qual N

Qualifiers: Analyte detected in the associated Method Blank Dilution Factor В DF Analyte detected between MDL and RL MDL Method Detection Limit Page 7 of 8 J Not Detected at the Method Detection Limit ND R RPD outside accepted control limits RL Reporting Limit  $\mathbf{S}$ Spike Recovery outside control limits Analyte detected between SDL and RL Ν Parameter not NELAC certified J

CLIENT: Work Order:	1512223	Associates			AN	ALYT		-			EPORT
Project: The QC data in bat		andfarm/6 lies to the fo		nples: 1512	223-01B, 15122	223-02B, 15	<b>RunII</b> 12223-03B,		-04B, 15122		
06B, 1512223-07B	23-02B-DUP	Batch ID:	72929		TestNo	D22	16		Units:	WT%	
SampType: <b>DUP</b>		Run ID:	PMOIST	_151223A	Analysi	s Date: <b>12/2</b>	4/2015 9:00	:36 AM	Prep Date:	12/23/	2015
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLim	it HighLimit	%RPD R	PDLimit Qual
Percent Moisture			12.2	0	0	12.34				1.17	30

Qualifiers:	В	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	Page 8 of 8
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits	-
	RL	Reporting Limit	S	Spike Recovery outside control limits	
	J	Analyte detected between SDL and RL	Ν	Parameter not NELAC certified	

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