

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,

A handwritten signature in red ink, appearing to read "John DuPont".

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

Table of Contents

Miscellaneous Documents	3
CaseNarrative 1503082	5
WorkOrderSampleSummary 1503082	6
PrepDatesReport 1503082	7
AnalyticalDatesReport 1503082	10
Analytical Report 1503082	13
AnalyticalQCSummaryReport 1503082	27

CHAIN-OF-CUSTODY

 Arson & Associates, Inc. Environmental Consultants						DATE: <u>3/9/15</u> PAGE <u>1</u> OF <u>1</u> PO #: _____ LAB WORK ORDER # <u>1503087</u> PROJECT LOCATION OR NAME: <u>Chevron Landfill</u> LAI PROJECT #: <u>B-0137</u> COLLECTOR: <u>SS</u>																	
Data Reported to: <u>Coty</u> S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER						TRRP report? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		TIME ZONE: <u>N/A</u>		Field Sample I.D. <u>Cell 26 (comp)</u> <u>(2-3) 01</u> <u>Cell 25 (comp)</u> <u>(2-3) 03</u> <u>Cell 21 (comp)</u> <u>(2-3) 04</u> <u>Cell 21 (comp)</u> <u>(2-3) 05</u> <u>Cell 27 (comp)</u> <u>(2-3) 06</u> <u>Cell 27 (comp)</u> <u>(2-3) 07</u> <u>Cell 18 (comp)</u> <u>(2-3) 08</u> <u>Cell 19 (comp)</u> <u>(2-3) 10</u> <u>Cell 20 (comp)</u> <u>(2-3) 12</u> <u>Cell 20 (comp)</u> <u>(2-3) 13</u> <u>Cell 27</u> <u>(2-3) 14</u>		Date <u>3/11/15</u> <u>9:30</u> <u>9:40</u> <u>9:45</u> <u>9:55</u> <u>10:00</u> <u>10:15</u> <u>10:20</u> <u>10:30</u> <u>10:35</u> <u>10:45</u> <u>10:50</u> <u>11:00</u> <u>11:05</u> <u>11:15</u>		Matrix <u>S</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u> <u>I</u>		# of Containers <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>		PRESERVATION HCl HNO ₃ H ₂ SO ₄ NaOH ICF UNPRESERVED <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		ANALYSES TPH 418-424 TPH 1005 TPH 1006 GASOLINE MOD 8015 VOC 8260 SVOC 8270 PAH 8270 HOLDPAH 8082 PCBs TSP - METALS (PCRA) TSP - METALS (PCRA) D SEM-VOC LEAD - TOTAL D.W. 200 & OTHER LIST TDS TOX % MOISTURE PH D HEXAVALENT CHROMIUM EXPLOSIVES CHLORIDE ANIONS ALKALINITY		FIELD NOTES <u>Disregard all samples</u>	
TOTAL																							
RELINQUISHED BY: (Signature) <u>[Signature]</u>						DATE/TIME <u>3/9/15 9:00 AM</u>		RECEIVED BY: (Signature) <u>Lone Star</u>		TURN AROUND TIME NORMAL <input checked="" type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> OTHER <input type="checkbox"/>		LABORATORY USE ONLY: RECEIVING TEMP: <u>2.4</u> THERM #: <u>57</u>		CUSTODY SEALS - <input type="checkbox"/> BROKEN <input type="checkbox"/> INTACT <input checked="" type="checkbox"/> NOT USED <input type="checkbox"/> CARRIER BILL # <u>Lone Star</u> <input type="checkbox"/> HAND DELIVERED									
RELINQUISHED BY: (Signature) <u>[Signature]</u>						DATE/TIME <u>3/10/15 10:10</u>		RECEIVED BY: (Signature) <u>[Signature]</u>		1 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVING TEMP: <u>2.4</u> THERM #: <u>57</u>		CUSTODY SEALS - <input type="checkbox"/> BROKEN <input type="checkbox"/> INTACT <input checked="" type="checkbox"/> NOT USED <input type="checkbox"/> CARRIER BILL # <u>Lone Star</u> <input type="checkbox"/> HAND DELIVERED									
RELINQUISHED BY: (Signature) <u>[Signature]</u>						DATE/TIME <u>3/10/15 10:10</u>		RECEIVED BY: (Signature) <u>[Signature]</u>		1 DAY <input type="checkbox"/> 2 DAY <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVING TEMP: <u>2.4</u> THERM #: <u>57</u>		CUSTODY SEALS - <input type="checkbox"/> BROKEN <input type="checkbox"/> INTACT <input checked="" type="checkbox"/> NOT USED <input type="checkbox"/> CARRIER BILL # <u>Lone Star</u> <input type="checkbox"/> HAND DELIVERED									

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

Lab Order: 1503082
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1503082-01A	Cell 26 (comp)	03/06/15 09:30 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 26 (comp)	03/06/15 09:30 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 26 (comp)	03/06/15 09:30 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 26 (comp)	03/06/15 09:30 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 26 (comp)	03/06/15 09:30 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 26 (comp)	03/06/15 09:30 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-02A	Cell 26 (2-3)	03/06/15 09:40 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 26 (2-3)	03/06/15 09:40 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 26 (2-3)	03/06/15 09:40 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 26 (2-3)	03/06/15 09:40 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 26 (2-3)	03/06/15 09:40 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 26 (2-3)	03/06/15 09:40 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-03A	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
1503082-04A	Cell 25 (2-3)	03/06/15 09:55 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 25 (2-3)	03/06/15 09:55 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	Cell 25 (2-3)	03/06/15 09:55 AM	Soil	SW5030A	Purge and Trap Soils GC	03/11/15 09:43 AM	68571
	Cell 25 (2-3)	03/06/15 09:55 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	Cell 25 (2-3)	03/06/15 09:55 AM	Soil	SW3550C	Soil Prep Sonication: DRO	03/11/15 01:20 PM	68575
	Cell 25 (2-3)	03/06/15 09:55 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/11/15 01:39 PM	68578
1503082-05A	Cell 21 (comp)	03/06/15 10:00 AM	Soil	E300	Anion Prep	03/11/15 09:00 AM	68569
	Cell 21 (comp)	03/06/15 10:00 AM	Soil	D2216	Moisture Preparation	03/12/15 09:42 AM	68554
	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 (comp)	03/06/15 10:00 AM	Soil	SW5030A	Purge and Trap Soils GC- Gas	03/12/15 10:39 AM	68589
	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

Lab Order: 1503082
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

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

Lab Order: 1503082
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

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	68589
	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	68589
1503082-12A	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
	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
1503082-13A	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
1503082-14A	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	68589
1503082-14A	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
	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	68589
	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

Lab Order: 1503082
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

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	IR207_150311A
	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	IR207_150311A
	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

Lab Order: 1503082
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

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	IR207_150311A
	Cell 21 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 01:28 PM	GC4_150311A
	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
1503082-06A	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	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
1503082-08A	Cell 17 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	IR207_150311A
	Cell 17 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 02:18 PM	GC4_150311A
	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
1503082-09A	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	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
1503082-10A	Cell 18 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	IR207_150311A
	Cell 18 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 03:09 PM	GC4_150311A
	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

Lab Order: 1503082
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES 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	IR207_150311A
	Cell 18 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 03:33 PM	GC4_150311A
	Cell 19 (comp)	Soil	E300	Anions by IC method - Soil	68569	1	03/11/15 01:11 PM	IC2_150311A
1503082-11A	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	IR207_150311A
	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	IR207_150311A
1503082-13A	Cell 19 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 05:56 PM	GC4_150311A
	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
1503082-14A	Cell 20 (comp)	Soil	E418.1	TRPH	68578	1	03/11/15 03:55 PM	IR207_150311A
	Cell 20 (comp)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 06:20 PM	GC4_150311A
	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	IR207_150311A
	Cell 20 (2-3)	Soil	SW8021B	Volatile Organics by GC	68571	1	03/11/15 06:44 PM	GC4_150311A

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 26 (comp)
Lab ID: 1503082-01
Collection Date: 03/06/15 09:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	45.8	11.5	11.5		mg/Kg-dry	1	03/12/15 10:31 AM
Surr: Isopropylbenzene	54.8	0	47-142		%REC	1	03/12/15 10:31 AM
Surr: Octacosane	96.6	0	25-162		%REC	1	03/12/15 10:31 AM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.117	0.233		mg/Kg-dry	1	03/12/15 12:55 PM
Surr: Tetrachlorethene	104	0	70-134		%REC	1	03/12/15 12:55 PM
VOLATILE ORGANICS BY GC		SW8021B					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: Tetrachloroethene	106	0	79-135		%REC	1	03/11/15 11:49 AM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	26.0	5.74	11.5	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	8.60	5.94	5.94		mg/Kg-dry	1	03/11/15 10:20 AM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	16.3	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 26 (2-3)
Lab ID: 1503082-02
Collection Date: 03/06/15 09:40 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	ND	11.4	11.4		mg/Kg-dry	1	03/12/15 10:40 AM
Surr: Isopropylbenzene	33.4	0	47-142	S	%REC	1	03/12/15 10:40 AM
Surr: Octacosane	78.0	0	25-162		%REC	1	03/12/15 10:40 AM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.108	0.215		mg/Kg-dry	1	03/12/15 01:19 PM
Surr: Tetrachlorethene	117	0	70-134		%REC	1	03/12/15 01:19 PM
VOLATILE ORGANICS BY GC		SW8021B					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: Tetrachloroethene	106	0	79-135		%REC	1	03/11/15 12:13 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.60	11.2	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	13.9	5.37	5.37		mg/Kg-dry	1	03/11/15 10:35 AM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	12.4	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 25 (comp)
Lab ID: 1503082-03
Collection Date: 03/06/15 09:45 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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
TPH PURGEABLE BY GC - SOIL		M8015V		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
VOLATILE ORGANICS BY GC		SW8021B		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: Tetrachloroethene	101	0	79-135		%REC	1	03/11/15 12:38 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	6.13	12.3	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	11.7	5.39	5.39		mg/Kg-dry	1	03/11/15 10:49 AM
PERCENT MOISTURE		D2216		Analyst: MDM			
Percent Moisture	18.7	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 25 (2-3)
Lab ID: 1503082-04
Collection Date: 03/06/15 09:55 AM
Matrix: 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: Isopropylbenzene	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 PURGEABLE 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 ORGANICS BY GC		SW8021B					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: Tetrachloroethene	106	0	79-135		%REC	1	03/11/15 01:03 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.83	11.7	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	15.4	5.33	5.33		mg/Kg-dry	1	03/11/15 11:04 AM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	15.2	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 21 (comp)
Lab ID: 1503082-05
Collection Date: 03/06/15 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	34.1	11.3	11.3		mg/Kg-dry	1	03/12/15 11:07 AM
Surr: Isopropylbenzene	60.3	0	47-142		%REC	1	03/12/15 11:07 AM
Surr: Octacosane	98.5	0	25-162		%REC	1	03/12/15 11:07 AM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.115	0.230		mg/Kg-dry	1	03/12/15 02:31 PM
Surr: Tetrachlorethene	104	0	70-134		%REC	1	03/12/15 02:31 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
Benzene	ND	0.00354	0.00590		mg/Kg-dry	1	03/11/15 01:28 PM
Ethylbenzene	ND	0.00590	0.0177		mg/Kg-dry	1	03/11/15 01:28 PM
Toluene	ND	0.00590	0.0177		mg/Kg-dry	1	03/11/15 01:28 PM
Xylenes, Total	ND	0.00590	0.0177		mg/Kg-dry	1	03/11/15 01:28 PM
Surr: Tetrachloroethene	108	0	79-135		%REC	1	03/11/15 01:28 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.52	11.0	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	8.08	4.99	4.99		mg/Kg-dry	1	03/11/15 11:26 AM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	15.7	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 21 (2-3)
Lab ID: 1503082-06
Collection Date: 03/06/15 10:15 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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 PURGEABLE 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 ORGANICS BY GC		SW8021B					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: Tetrachloroethene	103	0	79-135		%REC	1	03/11/15 01:52 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.28	10.6	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	30.0	4.91	4.91		mg/Kg-dry	1	03/11/15 11:41 AM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	11.5	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 17 (comp)
Lab ID: 1503082-07
Collection Date: 03/06/15 10:20 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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 PURGEABLE BY GC - SOIL		M8015V		Analyst: AV			
Gasoline Range 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 ORGANICS BY GC		SW8021B		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: Tetrachloroethene	102	0	79-135		%REC	1	03/11/15 02:18 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	6.06	12.1	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	11.1	5.86	5.86		mg/Kg-dry	1	03/11/15 11:56 AM
PERCENT MOISTURE		D2216		Analyst: MDM			
Percent Moisture	18.9	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 17 (2-3)
Lab ID: 1503082-08
Collection Date: 03/06/15 10:30 AM
Matrix: 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: Isopropylbenzene	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 PURGEABLE 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 ORGANICS BY GC		SW8021B					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: Tetrachloroethene	103	0	79-135		%REC	1	03/11/15 02:44 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.58	11.2	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	102	5.59	5.59		mg/Kg-dry	1	03/11/15 12:10 PM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	15.1	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 18 (comp)
Lab ID: 1503082-09
Collection Date: 03/06/15 10:35 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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 PURGEABLE BY GC - SOIL		M8015V		Analyst: AV			
Gasoline Range Organics	ND	0.101	0.203		mg/Kg-dry	1	03/12/15 05:11 PM
Surr: Tetrachlorethene	103	0	70-134		%REC	1	03/12/15 05:11 PM
VOLATILE ORGANICS BY GC		SW8021B		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: Tetrachloroethene	103	0	79-135		%REC	1	03/11/15 03:09 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	39.0	5.16	10.3	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	ND	4.93	4.93		mg/Kg-dry	1	03/11/15 12:25 PM
PERCENT MOISTURE		D2216		Analyst: MDM			
Percent Moisture	7.62	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 18 (2-3)
Lab ID: 1503082-10
Collection Date: 03/06/15 10:45 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V		Analyst: AV			
Gasoline Range Organics	ND	0.137	0.275		mg/Kg-dry	1	03/12/15 05:35 PM
Surr: Tetrachlorethene	106	0	70-134		%REC	1	03/12/15 05:35 PM
VOLATILE ORGANICS BY GC		SW8021B		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: Tetrachloroethene	105	0	79-135		%REC	1	03/11/15 03:33 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	6.57	13.1	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	23.9	6.63	6.63		mg/Kg-dry	1	03/11/15 12:39 PM
PERCENT MOISTURE		D2216		Analyst: MDM			
Percent Moisture	29.5	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 19 (comp)
Lab ID: 1503082-11
Collection Date: 03/06/15 10:50 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE 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: Tetrachlorethene	99.9	0	70-134		%REC	1	03/12/15 05:59 PM
VOLATILE ORGANICS BY GC		SW8021B		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: Tetrachloroethene	103	0	79-135		%REC	1	03/11/15 05:31 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	30.9	5.73	11.5	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	8.31	5.04	5.04		mg/Kg-dry	1	03/11/15 01:11 PM
PERCENT MOISTURE		D2216		Analyst: MDM			
Percent Moisture	17.0	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 19 (2-3)
Lab ID: 1503082-12
Collection Date: 03/06/15 11:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.122	0.244		mg/Kg-dry	1	03/12/15 06:23 PM
Surr: Tetrachlorethene	102	0	70-134		%REC	1	03/12/15 06:23 PM
VOLATILE ORGANICS BY GC		SW8021B					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: Tetrachloroethene	104	0	79-135		%REC	1	03/11/15 05:56 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	6.29	12.6	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	19.0	5.74	5.74		mg/Kg-dry	1	03/11/15 01:25 PM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	21.2	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 20 (comp)
Lab ID: 1503082-13
Collection Date: 03/06/15 11:05 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V		Analyst: AV			
Gasoline Range Organics	ND	0.115	0.230		mg/Kg-dry	1	03/12/15 06:48 PM
Surr: Tetrachlorethene	103	0	70-134		%REC	1	03/12/15 06:48 PM
VOLATILE ORGANICS BY GC		SW8021B		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: Tetrachloroethene	101	0	79-135		%REC	1	03/11/15 06:20 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	5.94	11.9	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	9.18	5.71	5.71		mg/Kg-dry	1	03/11/15 01:40 PM
PERCENT MOISTURE		D2216		Analyst: MDM			
Percent Moisture	19.7	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 16-Mar-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1503082

Client Sample ID: Cell 20 (2-3)
Lab ID: 1503082-14
Collection Date: 03/06/15 11:15 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.123	0.245		mg/Kg-dry	1	03/12/15 07:12 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	03/12/15 07:12 PM
VOLATILE ORGANICS BY GC		SW8021B					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: Tetrachloroethene	102	0	79-135		%REC	1	03/11/15 06:44 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	6.17	12.3	N	mg/Kg-dry	1	03/11/15 03:55 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	12.5	6.22	6.22		mg/Kg-dry	1	03/11/15 01:54 PM
PERCENT MOISTURE		D2216					Analyst: MDM
Percent Moisture	21.9	0	0		WT%	1	03/13/15 08:35 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

CLIENT: Larson & Associates

Work Order: 1503082

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_150312A

The QC data in batch 68575 applies to the following samples: 1503082-01A, 1503082-02A, 1503082-03A, 1503082-04A, 1503082-05A, 1503082-06A, 1503082-07A, 1503082-08A, 1503082-09A, 1503082-10A, 1503082-11A, 1503082-12A, 1503082-13A, 1503082-14A

Sample ID	MB-68575		Batch ID:	68575		TestNo:	M8015D		Units:	mg/Kg	
SampType:	MBLK		Run ID:	GC15_150312A		Analysis Date:	3/12/2015 1:55:04 PM		Prep Date:	3/11/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28 ND 10.0

Surr: Isopropylbenzene

5.35

7.500

71.3

47

142

Surr: Octacosane

5.92

7.500

78.9

25

162

Sample ID	LCS-68575		Batch ID:	68575		TestNo:	M8015D		Units:	mg/Kg	
SampType:	LCS		Run ID:	GC15_150312A		Analysis Date:	3/12/2015 2:04:02 PM		Prep Date:	3/11/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

TPH-DRO C10-C28

77.2

10.0

125.0

0

61.7

50

114

Surr: Isopropylbenzene

5.92

7.500

78.9

47

142

Surr: Octacosane

6.21

7.500

82.8

25

162

Sample ID	1503082-08AMS	Batch ID:	68575	TestNo:	M8015D	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GC15_150312A	Analysis Date:	3/12/2015 2:12:59 PM	Prep Date:	3/11/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

85.4

11.8

146.9

0

58.1

50

114

Surr: Isopropylbenzene

7.27

8.815

82.4

47

142

Surr: Octacosane

7.03

8.815

79.7

25

162

Sample ID	1503082-08AMSD	Batch ID:	68575	TestNo:	M8015D	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GC15_150312A	Analysis Date:	3/12/2015 2:21:57 PM	Prep Date:	3/11/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

82.1

11.3

140.7

0

58.3

50

114

3.95

30

Surr: Isopropylbenzene

6.82

8.444

80.8

47

142

0

0

Surr: Octacosane

6.64

8.444

78.6

25

162

0

0

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_150312A

Sample ID	ICV-150312	Batch ID:	R78486	TestNo:	M8015D	Units:	mg/Kg				
SampType:	ICV	Run ID:	GC15_150312A	Analysis Date:	3/12/2015 9:36:15 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC15_150312A	Analysis Date:	3/12/2015 12:19:10 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC15_150312A	Analysis Date:	3/12/2015 2:30:54 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150311A

The QC data in batch 68571 applies to the following samples: 1503082-01A, 1503082-02A, 1503082-03A, 1503082-04A, 1503082-05A, 1503082-06A, 1503082-07A, 1503082-08A, 1503082-09A, 1503082-10A, 1503082-11A, 1503082-12A, 1503082-13A, 1503082-14A

Sample ID	LCS-68571			Batch ID:	68571		TestNo:	SW8021B		Units:	mg/Kg	
SampType:	LCS			Run ID:	GC4_150311A		Analysis Date:	3/11/2015 10:18:02 AM		Prep Date:	3/11/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Tetrachloroethene	0.187		0.2000		93.7	79	135			

Sample ID	MB-68571	Batch ID:	68571	TestNo:	SW8021B	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GC4_150311A	Analysis Date:	3/11/2015 11:08:28 AM	Prep Date:	3/11/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.204		0.2000		102	79	135			

Sample ID	1503082-14AMS			Batch ID:	68571			TestNo:	SW8021B			Units:	mg/Kg-dry			
SampType:	MS			Run ID:	GC4_150311A			Analysis Date:	3/11/2015 7:09:27 PM			Prep Date:	3/11/2015			
Analyte	Result			RL	SPK value			Ref Val	%REC			LowLimit	HighLimit	%RPD	RPDLimit	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: Tetrachloroethene	0.186		0.2287		81.2	79	135			

Sample ID	1503082-14AMSD			Batch ID:	68571		TestNo:	SW8021B		Units:	mg/Kg-dry	
SampType:	MSD			Run ID:	GC4_150311A		Analysis Date:	3/11/2015 7:33:43 PM		Prep Date:	3/11/2015	
Analyte	Result			RL	SPK value		Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit 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: Tetrachloroethene	0.182		0.2255		80.7	79	135	0		

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

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150311A

Sample ID	ICV-150311	Batch ID:	R78487	TestNo:	SW8021B	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC4_150311A	Analysis Date:	3/11/2015 9:35:27 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	SW8021B		Units:	mg/Kg	
SampType:	CCV		Run ID:	GC4_150311A		Analysis Date:	3/11/2015 4:25:31 PM		Prep Date:		
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	SW8021B		Units:	mg/Kg		
SampType:	CCV		Run ID:	GC4_150311A		Analysis Date:	3/11/2015 8:21:56 PM		Prep Date:			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	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: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150312A

The QC data in batch 68589 applies to the following samples: 1503082-01A, 1503082-02A, 1503082-03A, 1503082-04A, 1503082-05A, 1503082-06A, 1503082-07A, 1503082-08A, 1503082-09A, 1503082-10A, 1503082-11A, 1503082-12A, 1503082-13A, 1503082-14A

Sample ID	LCS-68589			Batch ID:	68589			TestNo:	M8015V			Units:	mg/Kg		
SampType:	LCS			Run ID:	GC4_150312A			Analysis Date:	3/12/2015 11:08:40 AM			Prep Date:	3/12/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:	M8015V		Units:	mg/Kg	
SampType:	MBLK		Run ID:	GC4_150312A		Analysis Date:	3/12/2015 12:21:37 PM		Prep Date:	3/12/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.411		0.4000		103	70	134			

Sample ID	1503082-14AMS			Batch ID:	68589			TestNo:	M8015V			Units:	mg/Kg-dry			
SampType:	MS			Run ID:	GC4_150312A			Analysis Date:	3/12/2015 7:36:57 PM			Prep Date:	3/12/2015			
Analyte	Result			RL	SPK value			Ref Val	%REC			LowLimit	HighLimit	%RPD	RPDLimit	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:	M8015V			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	GC4_150312A			Analysis Date:	3/12/2015 8:01:19 PM			Prep Date:	3/12/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150312A

Sample ID	ICV-150312	Batch ID:	R78493	TestNo:	M8015V	Units:	mg/Kg				
SampType:	ICV	Run ID:	GC4_150312A	Analysis Date:	3/12/2015 10:36:54 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	8.87	0.200	10.00	0	88.7	80	120			
Surr: Tetrachlorethene	0.298		0.4000		74.5	70	134			

Sample ID	CCV1-150312		Batch ID:	R78493		TestNo:	M8015V		Units:	mg/Kg	
SampType:	CCV		Run ID:	GC4_150312A		Analysis Date:	3/12/2015 4:14:08 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	4.88	0.200	5.000	0	97.6	80	120			
Surr: Tetrachlorethene	0.390		0.4000		97.5	70	134			

Sample ID	CCV2-150312		Batch ID:	R78493		TestNo:	M8015V		Units:	mg/Kg	
SampType:	CCV		Run ID:	GC4_150312A		Analysis Date:	3/12/2015 8:50:03 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	4.94	0.200	5.000	0	98.8	80	120			
Surr: Tetrachlorethene	0.373		0.4000		93.2	70	134			

Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_150311A

The QC data in batch 68569 applies to the following samples: 1503082-01A, 1503082-02A, 1503082-03A, 1503082-04A, 1503082-05A, 1503082-06A, 1503082-07A, 1503082-08A, 1503082-09A, 1503082-10A, 1503082-11A, 1503082-12A, 1503082-13A, 1503082-14A

Sample ID	MB-68569	Batch ID:	68569	TestNo:	E300	Units:	mg/Kg			
SampType:	MBLK	Run ID:	IC2_150311A	Analysis Date:	3/11/2015 9:26:44 AM	Prep Date:	3/11/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	ND	5.00								
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Sample ID	LCS-68569			Batch ID:	68569		TestNo:	E300		Units:	mg/Kg	
SampType:	LCS			Run ID:	IC2_150311A		Analysis Date:	3/11/2015 9:41:19 AM		Prep Date:	3/11/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	50.3	5.00	50.00	0	101	80	120			
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Sample ID	LCSD-68569	Batch ID:	68569	TestNo:	E300	Units:	mg/Kg			
SampType:	LCSD	Run ID:	IC2_150311A	Analysis Date:	3/11/2015 9:55:53 AM	Prep Date:	3/11/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	50.4	5.00	50.00	0	101	80	120	0.285	20	
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Sample ID	1503082-06AMS		Batch ID:	68569		TestNo:	E300		Units:	mg/Kg-dry	
SampType:	MS		Run ID:	IC2_150311A		Analysis Date:	3/11/2015 2:16:23 PM		Prep Date:	3/11/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	151	5.34	106.8	30.05	114	80	120			
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Sample ID	1503082-06AMSD			Batch ID:	68569			TestNo:	E300			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	IC2_150311A			Analysis Date:	3/11/2015 2:30:58 PM			Prep Date:	3/11/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Chloride	152	5.08	101.6	30.05	120	80	120	0.613	20	
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Sample ID	1503082-14AMS			Batch ID:	68569			TestNo:	E300			Units:	mg/Kg-dry			
SampType:	MS			Run ID:	IC2_150311A			Analysis Date:	3/11/2015 2:45:32 PM			Prep Date:	3/11/2015			
Analyte	Result			RL	SPK value			Ref Val	%REC			LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	141	5.96	119.3	12.53	108	80	120			
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Sample ID	1503082-14AMSD			Batch ID:	68569			TestNo:	E300			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	IC2_150311A			Analysis Date:	3/11/2015 3:00:06 PM			Prep Date:	3/11/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Chloride	134	5.65	113.0	12.53	108	80	120	4.93	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_150311A

Sample ID	ICV-150311	Batch ID:	R78463	TestNo:	E300	Units:	mg/Kg			
SampType:	ICV	Run ID:	IC2_150311A	Analysis Date:	3/11/2015 9:09:57 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	24.7	5.00	25.00	0	98.6	90	110			

Sample ID	CCV1-150311	Batch ID:	R78463	TestNo:	E300	Units:	mg/Kg			
SampType:	CCV	Run ID:	IC2_150311A	Analysis Date:	3/11/2015 12:54:19 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.1	5.00	10.00	0	101	90	110			

Sample ID	CCV2-150311	Batch ID:	R78463	TestNo:	E300	Units:	mg/Kg			
SampType:	CCV	Run ID:	IC2_150311A	Analysis Date:	3/11/2015 3:18:37 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.1	5.00	10.00	0	101	90	110			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_150311A

The QC data in batch 68578 applies to the following samples: 1503082-01A, 1503082-02A, 1503082-03A, 1503082-04A, 1503082-05A, 1503082-06A, 1503082-07A, 1503082-08A, 1503082-09A, 1503082-10A, 1503082-11A, 1503082-12A, 1503082-13A, 1503082-14A

Sample ID	ICV-150311		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg	
SampType:	ICV		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	250	10.0	250.0	0	100	90	110			N
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Sample ID	MB-68578		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg	
SampType:	MBLK		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:	3/11/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	ND	10.0								N
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Sample ID	LCS-68578		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg	
SampType:	LCS		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:	3/11/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	91.9	10.0	100.0	0	91.9	80	120			N
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Sample ID	1503082-08AMS		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg-dry	
SampType:	MS		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:	3/11/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	113	11.4	114.2	0	99.1	80	120			N
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Sample ID	1503082-08AMSD		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg-dry		
SampType:	MSD		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:	3/11/2015		
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	110	11.7	117.2	0	94.1	80	120	2.67	20	N
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Sample ID	CCV1-150311		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg		
SampType:	CCV		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	254	10.0	250.0	0	102	85	115			N
----------------------------	-----	------	-------	---	-----	----	-----	--	--	---

Sample ID	CCV2-150311		Batch ID:	68578		TestNo:	E418.1		Units:	mg/Kg	
SampType:	CCV		Run ID:	IR207_150311A		Analysis Date:	3/11/2015 3:55:00 PM		Prep Date:		
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit Qual

Petroleum Hydrocarbons, TR	251	10.0	250.0	0	101	85	115			N
----------------------------	-----	------	-------	---	-----	----	-----	--	--	---

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1503082
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_150312A

The QC data in batch 68554 applies to the following samples: 1503082-01A, 1503082-02A, 1503082-03A, 1503082-04A, 1503082-05A, 1503082-06A, 1503082-07A, 1503082-08A, 1503082-09A, 1503082-10A, 1503082-11A, 1503082-12A, 1503082-13A, 1503082-14A

Sample ID	1503093-01C-DUP	Batch ID:	68554	TestNo:	D2216	Units:	WT%				
SampType:	DUP	Run ID:	PMOIST_150312A	Analysis Date:	3/13/2015 8:35:00 AM	Prep Date:	3/12/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture		19.8	0	0	18.63				6.27	30	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not 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,

A handwritten signature in blue ink, appearing to read "John DuPont".

John DuPont
General Manager

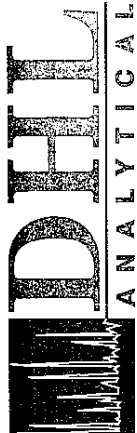
This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-14



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

Table of Contents

Miscellaneous Documents	3
CaseNarrative 1506216	7
WorkOrderSampleSummary 1506216	9
PrepDatesReport 1506216	10
AnalyticalDatesReport 1506216	14
Analytical Report 1506216	18
AnalyticalQCSummaryReport 1506216	26



2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com



Nº 66628

CHAIN-OF-CUSTODY

[illegible]

AB

LSOWWW.LSO.COM
Questions? Call 800-800-8984

Airbill No. 48947416



48947416

1. To: Print Name (Person) S. Becker Phone (Important) (512) 388-8272		2. From: Print Name (Person) LARSON & ASSOCIATES Phone (Important) 432-687-0901	
Company Name DHL Analytics Street Address 2300 Double Creek Dr. Suite / Floor City Round Rock State TX Zip 78664		Company Name LARSON & ASSOCIATES Street Address 507 N. MARIENTFIELD ST. Suite / Floor #200 City MIDLAND State TX Zip 79701	
3. Service: <input checked="" type="checkbox"/> ISO Priority Overnight* By 10:30 a.m. to most cities <input type="checkbox"/> ISO Early Overnight* By 8:30 a.m. select cities <input type="checkbox"/> ISO Economy Next Day* By 3 p.m. to most cities <input type="checkbox"/> ISO 2nd Day* <input checked="" type="checkbox"/> Delivered Without Delivery Signature: <i>[Signature]</i>		4. Package: Your Company's Billing Reference Information: 601775 Weight: 601775 Ship Date: (mm/dd/yyyy) 6/17/15	
5. Payment: Signature (See Limits of Liability below) Release Signature Signature: <i>[Signature]</i>		FOR DRIVER USE ONLY Driver Number: 1127 <input type="checkbox"/> Check here if LSO Supplies are used with LSO Ground Service Pick-up Location: 601775 Date: 6/17/15 Time: 11:16 City/Cadre: AUS	

liable for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We are not liable for any special or consequential damages. Additional liability coverage is available in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR LSO EARLY OVERNIGHT SERVICE. PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON LSO GROUND SERVICE. OVERSIZED RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.

CUSTODY SEAL

DATE

6/17/15

SIGNATURE

[Signature]
 Quality Environmental Containers
 800-255-3950 • 304-255-3900

Sample Receipt Checklist


Client Name **Larson & Associates**

Date Received: **6/18/2015**

Work Order Number **1506216**

Received by **MB**

Checklist completed by:  **6/18/2015**
Signature Date

Reviewed by  **6/18/2015**
Initials Date

Carrier name **LoneStar**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	2.8 °C
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments:

Corrective Action:

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab 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 Report. 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

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.

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

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

PREP DATES REPORT

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
	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
1506216-02A	Cell 26	06/17/15 09:45 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	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
	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
1506216-02B	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	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
	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
	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
	Cell 21	06/17/15 10:15 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223

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

PREP DATES REPORT

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
	Cell 21	06/17/15 10:15 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
1506216-03B	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
1506216-03C	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
1506216-03D	Cell 21	06/17/15 10:15 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
	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
	Cell 17	06/17/15 10:30 AM	Soil	E300	Anion Prep	06/26/15 09:05 AM	70223
1506216-04A	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
	Cell 17	06/17/15 10:30 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
1506216-04B	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
1506216-04C	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
1506216-04D	Cell 17	06/17/15 10:30 AM	Soil	SW5030C	Purge and Trap Soils GC/MS	06/24/15 10:33 AM	70186
	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

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

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

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

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1506216-07A	Cell 20	06/17/15 11:15 AM	Soil	SW5030C	Purge and Trap Soils GC	06/23/15 01:42 PM	70173
	Cell 20	06/17/15 11:15 AM	Soil	SW5030C	Purge and Trap Soils GC- Gas	06/25/15 11:00 AM	70211
	Cell 20	06/17/15 11:15 AM	Soil	SW3550C	Soil Prep Sonication: TRPH	06/25/15 02:50 PM	70217
	Cell 20	06/17/15 11:15 AM	Soil	USDA 60	1:5 Water Extract	06/25/15 08:42 AM	70204
1506216-07B	Cell 20	06/17/15 11:15 AM	Soil	SW7471A	Mercury Soil Prep, Total	06/22/15 02:47 PM	70154
	Cell 20	06/17/15 11:15 AM	Soil	D2216	Moisture Preparation	06/23/15 11:08 AM	70166
	Cell 20	06/17/15 11:15 AM	Soil	SW3550C	Soil Prep Sonication: DRO	06/24/15 09:00 AM	70179
	Cell 20	06/17/15 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 20	06/17/15 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 20	06/17/15 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 20	06/17/15 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152
	Cell 20	06/17/15 11:15 AM	Soil	SW3050B	Soil Prep Total Metals: ICP-MS	06/22/15 04:42 PM	70152

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

ANALYTICAL DATES 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	IR207_150625A
	Cell 26	Soil	SW8021B	Volatile Organics by GC	70173	1	06/23/15 06:54 PM	GC4_150623A
	Cell 26	Soil	D2216	Percent Moisture	70166	1	06/24/15 11:00 AM	PMOIST_150623B
1506216-01B	Cell 26	Soil	M2320 B	Soluble Alkalinity of Soil	70204	1	06/26/15 10:02 AM	TTTRATOR_150626A
	Cell 26	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:10 AM	CETAC2_HG_150624A
	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
1506216-02A	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
	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	IR207_150625A
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	TTTRATOR_150626A
	Cell 25	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:13 AM	CETAC2_HG_150624A
	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
1506216-02C	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
	Cell 25	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 01:12 PM	GCMS2_150624A
	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

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

ANALYTICAL DATES REPORT

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	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	TTTRATOR_150626A
	Cell 21	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:15 AM	CETAC2_HG_150624 A
1506216-03C	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
1506216-03D	Cell 21	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	50	06/29/15 01:33 PM	ICP-MS4_150629B
	Cell 21	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 01:41 PM	GCMIS2_150624A
	Cell 21	Soil	SW8082A	PCB by GC - Soil/Solid	70201	1	06/26/15 03:35 PM	GC16_150626A
1506216-03E	Cell 21	Soil	SW8270D	Semivolatiles by GC/MS - Soil	70093	1	06/19/15 08:33 PM	GCMIS9_150619D
	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	PH_150623A
1506216-04A	Cell 17	Soil	E300	Anions 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	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	TTTRATOR_150626A
	Cell 17	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:17 AM	CETAC2_HG_150624 A
1506216-04C	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
1506216-04D	Cell 17	Soil	SW6020A	Trace Metals: ICP-MS - Solid	70152	500	06/29/15 01:35 PM	ICP-MS4_150629B
	Cell 17	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 02:10 PM	GCMIS2_150624A
	Cell 17	Soil	SW8082A	PCB by GC - Soil/Solid	70201	1	06/26/15 04:01 PM	GC16_150626A

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

ANALYTICAL DATES 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
1506216-05A	Cell 17	Soil	SW9045D	pH of Solid (Corrosivity)	70157	1	06/23/15 04:30 PM	PH_150623A
	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	IR207_150625A
1506216-05B	Cell 18	Soil	SW8021B	Volatile Organics by GC	70173	1	06/23/15 07:18 PM	GC4_150623A
	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_150624A
1506216-06A	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
1506216-06B	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	IR207_150625A
	Cell 19	Soil	SW9014	Cyanide - Solid Sample	70208	1	06/25/15 02:39 PM	UV/VIS_2_150625B
1506216-06C	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_150624A
1506216-06C	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
1506216-06C	Cell 19	Soil	SW8260C	8260 Soil Volatiles by GC/MS	70186	1	06/24/15 02:39 PM	GCMS2_150624A

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

ANALYTICAL DATES 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	GCM59_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	TTTRATOR_150626A
	Cell 20	Soil	SW7471B	Total Mercury: Soil/Solid	70154	1	06/24/15 10:24 AM	CETAC2_HG_150624A
	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

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 25
Lab ID: 1506216-02
Collection Date: 06/17/15 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - SOIL/SOLID		SW8082A				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: Decachlorobiphenyl	122	0	58-125		%REC	1	06/26/15 03:10 PM
Surr: Tetrachloro-m-xylene	125	0	40-130		%REC	1	06/26/15 03:10 PM
SEMIVOLATILES BY GC/MS - SOIL		SW8270D				Analyst: DEW	
1-Methylnaphthalene	ND	0.0113	0.0300	N	mg/Kg-dry	1	06/19/15 08:10 PM
2-Methylnaphthalene	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 (Calculated)	ND	0.0113	0.0300		mg/Kg-dry	1	06/19/15 08:10 PM
Surr: 2,4,6-Tribromophenol	83.0	0	45-126		%REC	1	06/19/15 08:10 PM
Surr: 2-Fluorobiphenyl	85.0	0	60-125		%REC	1	06/19/15 08:10 PM
Surr: 2-Fluorophenol	70.0	0	37-125		%REC	1	06/19/15 08:10 PM
Surr: 4-Terphenyl-d14	92.0	0	45-125		%REC	1	06/19/15 08:10 PM
Surr: Nitrobenzene-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 VOLATILES BY GC/MS		SW8260C				Analyst: SW	
1,1,1-Trichloroethane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1,2,2-Tetrachloroethane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1,2,2-Tetrachloroethylene (PCE)	ND	0.00223	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1,2-Trichloroethane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1,2-Trichloroethylene (TCE)	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1-Dichloroethane	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,1-Dichloroethylene	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
1,2-Dichloroethane	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 tetrachloride	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 dibromide (EDB)	ND	0.00111	0.00557		mg/Kg-dry	1	06/24/15 01:12 PM
Methylene chloride	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	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 25
Lab ID: 1506216-02
Collection Date: 06/17/15 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS							
SW8260C				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-Dichloroethane-d4	113	0	52-149		%REC	1	06/24/15 01:12 PM
Surr: 4-Bromofluorobenzene	104	0	84-118		%REC	1	06/24/15 01:12 PM
Surr: Dibromofluoromethane	109	0	65-135		%REC	1	06/24/15 01:12 PM
Surr: Toluene-d8	98.9	0	84-116		%REC	1	06/24/15 01:12 PM
CYANIDE - SOLID SAMPLE							
SW9014				Analyst: JL			
Cyanide, Amenable 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							
E300				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)							
SW9045D				Analyst: PT			
pH	7.77	0	0		pH Units@21.3°C	1	06/23/15 04:30 PM
PERCENT MOISTURE							
D2216				Analyst: JL			
Percent Moisture	12.3	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 21
Lab ID: 1506216-03
Collection Date: 06/17/15 10:15 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - SOIL/SOLID		SW8082A				Analyst: KL	
Aroclor 1016	ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PM
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 PM
Aroclor 1242	ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PM
Aroclor 1248	ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PM
Aroclor 1254	ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PM
Aroclor 1260	ND	0.0534	0.107		mg/Kg-dry	1	06/26/15 03:35 PM
Surr: Decachlorobiphenyl	124	0	58-125		%REC	1	06/26/15 03:35 PM
Surr: Tetrachloro-m-xylene	131	0	40-130	S	%REC	1	06/26/15 03:35 PM
SEMIVOLATILES BY GC/MS - SOIL		SW8270D				Analyst: DEW	
1-Methylnaphthalene	ND	0.0110	0.0292	N	mg/Kg-dry	1	06/19/15 08:33 PM
2-Methylnaphthalene	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 (Calculated)	ND	0.0110	0.0292		mg/Kg-dry	1	06/19/15 08:33 PM
Surr: 2,4,6-Tribromophenol	80.0	0	45-126		%REC	1	06/19/15 08:33 PM
Surr: 2-Fluorobiphenyl	82.0	0	60-125		%REC	1	06/19/15 08:33 PM
Surr: 2-Fluorophenol	82.0	0	37-125		%REC	1	06/19/15 08:33 PM
Surr: 4-Terphenyl-d14	88.0	0	45-125		%REC	1	06/19/15 08:33 PM
Surr: Nitrobenzene-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
8260 SOIL VOLATILES BY GC/MS		SW8260C				Analyst: SW	
1,1,1-Trichloroethane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2,2-Tetrachloroethane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2,2-Tetrachloroethylene (PCE)	ND	0.00199	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2-Trichloroethane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1,2-Trichloroethylene (TCE)	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1-Dichloroethane	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,1-Dichloroethylene	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
1,2-Dichloroethane	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 tetrachloride	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 dibromide (EDB)	ND	0.000996	0.00498		mg/Kg-dry	1	06/24/15 01:41 PM
Methylene chloride	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	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 21
Lab ID: 1506216-03
Collection Date: 06/17/15 10:15 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS							
SW8260C				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-Dichloroethane-d4	112	0	52-149		%REC	1	06/24/15 01:41 PM
Surr: 4-Bromofluorobenzene	104	0	84-118		%REC	1	06/24/15 01:41 PM
Surr: Dibromofluoromethane	109	0	65-135		%REC	1	06/24/15 01:41 PM
Surr: Toluene-d8	99.9	0	84-116		%REC	1	06/24/15 01:41 PM
CYANIDE - SOLID SAMPLE							
SW9014				Analyst: JL			
Cyanide, Amenable 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							
E300				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)							
SW9045D				Analyst: PT			
pH	8.01	0	0		pH Units@21.1°C	1	06/23/15 04:30 PM
PERCENT MOISTURE							
D2216				Analyst: JL			
Percent Moisture	11.0	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 17
Lab ID: 1506216-04
Collection Date: 06/17/15 10:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - SOIL/SOLID		SW8082A				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 PM
Aroclor 1232	ND	0.0525	0.105		mg/Kg-dry	1	06/26/15 04:01 PM
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: Decachlorobiphenyl	117	0	58-125		%REC	1	06/26/15 04:01 PM
Surr: Tetrachloro-m-xylene	133	0	40-130	S	%REC	1	06/26/15 04:01 PM
SEMIVOLATILES BY GC/MS - SOIL		SW8270D				Analyst: DEW	
1-Methylnaphthalene	ND	0.0105	0.0279	N	mg/Kg-dry	1	06/19/15 08:56 PM
2-Methylnaphthalene	ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PM
Benzo[a]pyrene	ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PM
Naphthalene	ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PM
Total Phenol (Calculated)	ND	0.0105	0.0279		mg/Kg-dry	1	06/19/15 08:56 PM
Surr: 2,4,6-Tribromophenol	82.0	0	45-126		%REC	1	06/19/15 08:56 PM
Surr: 2-Fluorobiphenyl	87.0	0	60-125		%REC	1	06/19/15 08:56 PM
Surr: 2-Fluorophenol	86.0	0	37-125		%REC	1	06/19/15 08:56 PM
Surr: 4-Terphenyl-d14	85.0	0	45-125		%REC	1	06/19/15 08:56 PM
Surr: Nitrobenzene-d5	80.0	0	45-125		%REC	1	06/19/15 08:56 PM
Surr: Phenol-d5	91.0	0	40-125		%REC	1	06/19/15 08:56 PM
8260 SOIL VOLATILES BY GC/MS		SW8260C				Analyst: SW	
1,1,1-Trichloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2,2-Tetrachloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2,2-Tetrachloroethylene (PCE)	ND	0.00209	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2-Trichloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1,2-Trichloroethylene (TCE)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1-Dichloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,1-Dichloroethylene	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
1,2-Dichloroethane	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 tetrachloride	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 PM
Ethylbenzene	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Ethylene dibromide (EDB)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:10 PM
Methylene chloride	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	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 17
Lab ID: 1506216-04
Collection Date: 06/17/15 10:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS							
		SW8260C				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-Dichloroethane-d4	108	0	52-149		%REC	1	06/24/15 02:10 PM
Surr: 4-Bromofluorobenzene	105	0	84-118		%REC	1	06/24/15 02:10 PM
Surr: Dibromofluoromethane	108	0	65-135		%REC	1	06/24/15 02:10 PM
Surr: Toluene-d8	100	0	84-116		%REC	1	06/24/15 02:10 PM
CYANIDE - SOLID SAMPLE							
		SW9014				Analyst: JL	
Cyanide, Amenable 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							
		E300				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)							
		SW9045D				Analyst: PT	
pH	8.56	0	0		pH Units@21.1°C	1	06/23/15 04:30 PM
PERCENT MOISTURE							
		D2216				Analyst: JL	
Percent Moisture	9.57	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 19
Lab ID: 1506216-06
Collection Date: 06/17/15 11:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
PCB BY GC - SOIL/SOLID		SW8082A				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 PM
Aroclor 1232	ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PM
Aroclor 1242	ND	0.0559	0.112		mg/Kg-dry	1	06/26/15 04:26 PM
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: Decachlorobiphenyl	123	0	58-125		%REC	1	06/26/15 04:26 PM
Surr: Tetrachloro-m-xylene	132	0	40-130	S	%REC	1	06/26/15 04:26 PM
SEMIVOLATILES BY GC/MS - SOIL		SW8270D				Analyst: DEW	
1-Methylnaphthalene	ND	0.0111	0.0296	N	mg/Kg-dry	1	06/19/15 09:19 PM
2-Methylnaphthalene	ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PM
Benzo[a]pyrene	ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PM
Naphthalene	ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PM
Total Phenol (Calculated)	ND	0.0111	0.0296		mg/Kg-dry	1	06/19/15 09:19 PM
Surr: 2,4,6-Tribromophenol	75.0	0	45-126		%REC	1	06/19/15 09:19 PM
Surr: 2-Fluorobiphenyl	78.0	0	60-125		%REC	1	06/19/15 09:19 PM
Surr: 2-Fluorophenol	73.0	0	37-125		%REC	1	06/19/15 09:19 PM
Surr: 4-Terphenyl-d14	96.0	0	45-125		%REC	1	06/19/15 09:19 PM
Surr: Nitrobenzene-d5	81.0	0	45-125		%REC	1	06/19/15 09:19 PM
Surr: Phenol-d5	89.0	0	40-125		%REC	1	06/19/15 09:19 PM
8260 SOIL VOLATILES BY GC/MS		SW8260C				Analyst: SW	
1,1,1-Trichloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2,2-Tetrachloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2,2-Tetrachloroethylene (PCE)	ND	0.00209	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2-Trichloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1,2-Trichloroethylene (TCE)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1-Dichloroethane	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,1-Dichloroethylene	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
1,2-Dichloroethane	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 tetrachloride	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
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)	ND	0.00104	0.00522		mg/Kg-dry	1	06/24/15 02:39 PM
Methylene chloride	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 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 14-Jul-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1506216

Client Sample ID: Cell 19
Lab ID: 1506216-06
Collection Date: 06/17/15 11:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 SOIL VOLATILES BY GC/MS		SW8260C		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-Dichloroethane-d4	112	0	52-149		%REC	1	06/24/15 02:39 PM
Surr: 4-Bromofluorobenzene	103	0	84-118		%REC	1	06/24/15 02:39 PM
Surr: Dibromofluoromethane	110	0	65-135		%REC	1	06/24/15 02:39 PM
Surr: Toluene-d8	99.2	0	84-116		%REC	1	06/24/15 02:39 PM
CYANIDE - SOLID SAMPLE		SW9014		Analyst: JL			
Cyanide, Amenable 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		E300		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)		SW9045D		Analyst: PT			
pH	8.24	0	0		pH Units@20.8°C	1	06/23/15 04:30 PM
PERCENT MOISTURE		D2216		Analyst: JL			
Percent Moisture	11.4	0	0		WT%	1	06/24/15 11:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

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

ANALYTICAL QC SUMMARY REPORT**RunID: GC15_150629A**

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

25

162

Sample ID	LCS-70179		Batch ID:	70179		TestNo:	M8015D		Units:	mg/Kg	
SampType:	LCS		Run ID:	GC15_150629A		Analysis Date:	6/29/2015 11:21:45 AM		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

Surr: Isopropylbenzene

6.01

7.500

80.1

47

142

Surr: Octacosane

5.70

7.500

76.0

25

162

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			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

Surr: Octacosane

6.78

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		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

90.3

11.8

147.0

0

61.4

50

114

9.00

30

Surr: Isopropylbenzene

5.49

8.823

62.2

47

142

0

0

Surr: Octacosane

6.16

8.823

69.8

25

162

0

0

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_150629A

Sample ID	ICV-150629	Batch ID:	R80341	TestNo:	M8015D	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC15_150629A	Analysis 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:	M8015D	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC15_150629A	Analysis Date:	6/29/2015 1:05:04 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	219	10.0	250.0	0	87.4	80	120			
Surr: Isopropylbenzene	14.4		12.50		115	80	120			
Surr: Octacosane	12.9		12.50		103	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_150626A

The QC data in batch 70201 applies to the following samples: 1506216-02D, 1506216-03D, 1506216-04D, 1506216-06D

Sample ID	LCS-70201	Batch ID:	70201	TestNo:	SW8082A	Units:	mg/Kg				
SampType:	LCS	Run ID:	GC16_150626A	Analysis Date:	6/26/2015 1:54:25 PM	Prep Date:	6/25/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Decachlorobiphenyl		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:	SW8082A	Units:	mg/Kg				
SampType:	MBLK	Run ID:	GC16_150626A	Analysis Date:	6/26/2015 2:45:08 PM	Prep Date:	6/25/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Decachlorobiphenyl		0.131		0.1000		131	58	125			S
Surr: Tetrachloro-m-xylene		0.140		0.1000		140	40	130			S

Sample ID	1506216-03DMS	Batch ID:	70201	TestNo:	SW8082A	Units:	mg/Kg-dry				
SampType:	MS	Run ID:	GC16_150626A	Analysis Date:	6/26/2015 8:15:25 PM	Prep Date:	6/25/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Decachlorobiphenyl		0.141		0.1092		129	58	125			S
Surr: Tetrachloro-m-xylene		0.144		0.1092		132	40	130			S

Sample ID	1506216-03DMSD	Batch ID:	70201	TestNo:	SW8082A	Units:	mg/Kg-dry				
SampType:	MSD	Run ID:	GC16_150626A	Analysis Date:	6/26/2015 8:40:47 PM	Prep Date:	6/25/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Decachlorobiphenyl		0.139		0.1103		126	58	125	0		S
Surr: Tetrachloro-m-xylene		0.151		0.1103		137	40	130	0		S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC16_150626A

Sample ID	ICV-150626	Batch ID:	R80329	TestNo:	SW8082A	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC16_150626A	Analysis Date:	6/26/2015 1:29:00 PM	Prep Date:				
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:	SW8082A	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC16_150626A	Analysis Date:	6/26/2015 9:06:07 PM	Prep Date:				
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:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150623A

The QC data in batch 70173 applies to the following samples: 1506216-01A, 1506216-05A, 1506216-07A

Sample ID	LCS-70173		Batch ID:	70173		TestNo:	SW8021B		Units:	mg/Kg	
SampType:	LCS		Run ID:	GC4_150623A		Analysis Date:	6/23/2015 2:20:08 PM		Prep Date:	6/23/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Tetrachloroethene	0.172		0.2000		85.8	79	135			

Sample ID	MB-70173		Batch ID:	70173		TestNo:	SW8021B		Units:	mg/Kg	
SampType:	MBLK		Run ID:	GC4_150623A		Analysis Date:	6/23/2015 3:34:25 PM		Prep Date:	6/23/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.178		0.2000		89.0	79	135			

Sample ID	1506216-07AMS			Batch ID:	70173		TestNo:	SW8021B		Units:	mg/Kg-dry	
SampType:	MS			Run ID:	GC4_150623A		Analysis Date:	6/23/2015 8:08:19 PM		Prep Date:	6/23/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Tetrachloroethene	0.191		0.2271		84.3	79	135			

Sample ID	1506216-07AMSD			Batch ID:	70173		TestNo:	SW8021B		Units:	mg/Kg-dry	
SampType:	MSD			Run ID:	GC4_150623A		Analysis Date:	6/23/2015 8:33:16 PM		Prep Date:	6/23/2015	
Analyte	Result			RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: Tetrachloroethene	0.174		0.2309		75.3	79	135	0		S

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150623A

Sample ID	ICV-150623	Batch ID:	R80266	TestNo:	SW8021B	Units:	mg/Kg				
SampType:	ICV	Run ID:	GC4_150623A	Analysis Date:	6/23/2015 12:53:47 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	SW8021B	Units:	mg/Kg				
SampType:	CCV	Run ID:	GC4_150623A	Analysis Date:	6/23/2015 9:47:17 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.0857	0.00500	0.1000	0	85.7	80	120			
Toluene	0.0895	0.0150	0.1000	0	89.5	80	120			
Ethylbenzene	0.0907	0.0150	0.1000	0	90.7	80	120			
Xylenes, Total	0.273	0.0150	0.3000	0	91.0	80	120			
Surr: Tetrachloroethene	0.160		0.2000		80.2	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150625A

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:	M8015V		Units:	mg/Kg	
SampType:	LCS		Run ID:	GC4_150625A		Analysis Date:	6/25/2015 11:35:44 AM		Prep Date:	6/25/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:	M8015V		Units:	mg/Kg	
SampType:	MBLK		Run ID:	GC4_150625A		Analysis Date:	6/25/2015 12:47:57 PM		Prep Date:	6/25/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.397		0.4000		99.3	70	134			

Sample ID	1506216-07AMS			Batch ID:	70211		TestNo:	M8015V		Units:	mg/Kg-dry	
SampType:	MS			Run ID:	GC4_150625A		Analysis Date:	6/25/2015 5:06:18 PM		Prep Date:	6/25/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Gasoline Range Organics	5.70	0.241	6.030	0	94.5	68	126			
Surr: Tetrachlorethene	0.402		0.4824		83.4	70	134			

Sample ID	1506216-07AMSD			Batch ID:	70211		TestNo:	M8015V		Units:	mg/Kg-dry	
SampType:	MSD			Run ID:	GC4_150625A		Analysis Date:	6/25/2015 5:30:41 PM		Prep Date:	6/25/2015	
Analyte	Result			RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	5.37	0.229	5.731	0	93.7	68	126	5.89	30	
Surr: Tetrachlorethene	0.391		0.4585		85.4	70	134	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150625A

Sample ID	ICV-150625	Batch ID:	R80310	TestNo:	M8015V	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC4_150625A	Analysis Date:	6/25/2015 10:53:36 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	9.85	0.200	10.00	0	98.5	80	120			
Surr: Tetrachlorethene	0.342		0.4000		85.5	70	134			

Sample ID	CCV1-150625	Batch ID:	R80310	TestNo:	M8015V	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC4_150625A	Analysis Date:	6/25/2015 5:54:53 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.50	0.200	5.000	0	90.1	80	120			
Surr: Tetrachlorethene	0.360		0.4000		90.1	70	134			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

- DF Dilution Factor
- MDL Method Detection Limit
- R RPD outside accepted control limits
- S Spike Recovery outside control limits
- N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_150624A

The QC data in batch 70154 applies to the following samples: 1506216-01B, 1506216-02B, 1506216-03B, 1506216-04B, 1506216-05B, 1506216-06B, 1506216-07B

Sample ID	MB-70154		Batch ID:	70154		TestNo:	SW7471B		Units:	mg/Kg	
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	RPDLimit	Qual

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-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 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

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	
Analyte	Result			RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Mercury 0.273 0.0509 0.2543 0 108 80 120 2.07 25

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

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

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC2_HG_150624A

Sample ID	ICV-150624	Batch ID:	R80272	TestNo:	SW7471B	Units:	mg/Kg			
SampType:	ICV	Run ID:	CETAC2_HG_150624A	Analysis Date:	6/24/2015 9:45:53 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00417	0.0400	0.004000	0	104	90	110			

Sample ID	CCV1-150624	Batch ID:	R80272	TestNo:	SW7471B	Units:	mg/Kg			
SampType:	CCV	Run ID:	CETAC2_HG_150624A	Analysis Date:	6/24/2015 10:29:00 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00198	0.0400	0.002000	0	99.0	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_150623A

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-70152	Batch ID: 70152	TestNo: SW6020A	Units: mg/Kg
SampType: MBLK	Run ID: ICP-MS3_150623A	Analysis Date: 6/23/2015 10:23:00 PM	Prep Date: 6/22/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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-70152	Batch ID: 70152	TestNo: SW6020A	Units: mg/Kg
SampType: LCS	Run ID: ICP-MS3_150623A	Analysis Date: 6/23/2015 10:29:00 PM	Prep Date: 6/22/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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-70152	Batch ID: 70152	TestNo: SW6020A	Units: mg/Kg
SampType: LCSD	Run ID: ICP-MS3_150623A	Analysis Date: 6/23/2015 10:35:00 PM	Prep Date: 6/22/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	49.6	1.00	50.00	0	99.1	80	120	2.24	20	
Barium	51.2	2.00	50.00	0	102	80	120	2.17	20	
Cadmium	50.1	0.300	50.00	0	100	80	120	1.71	20	
Calcium	258	12.5	250.0	0	103	80	120	5.28	20	
Chromium	54.4	2.00	50.00	0	109	80	120	2.42	20	
Lead	53.4	0.300	50.00	0	107	80	120	1.27	20	
Magnesium	255	12.5	250.0	0	102	80	120	3.87	20	
Potassium	256	12.5	250.0	0	103	80	120	4.50	20	
Selenium	45.0	0.500	50.00	0	90.0	80	120	2.59	20	

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

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

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_150623A

Sample ID	LCSD-70152	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg			
SampType:	LCSD	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 10:35:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	50.7	0.200	50.00	0	101	80	120	0.792	20	

Sample ID	1506216-02B SD	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	SD	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 10:53:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	1506216-02B PDS	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	PDS	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 11:23:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	1506216-02B MS	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 11:29:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: B Analyte detected in the associated Method Blank DF Dilution Factor
J Analyte detected between MDL and RL MDL Method Detection Limit
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 N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_150623A

Sample ID	1506216-02B MS	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 11:29:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:	SW6020A	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 11:34:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_150623A

Sample ID	CCV5-150623	Batch ID:	R80265	TestNo:	SW6020A	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 9:17:00 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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	CCV6-150623	Batch ID:	R80265	TestNo:	SW6020A	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS3_150623A	Analysis Date:	6/23/2015 11:40:00 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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	CCV7-150623		Batch ID:	R80265		TestNo:	SW6020A		Units:	mg/L	
SampType:	CCV		Run ID:	ICP-MS3_150623A		Analysis Date:	6/24/2015 1:05:00 AM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_150623A

Sample ID	ICV1-150623			Batch ID:	R80265		TestNo:	SW6020A		Units:	mg/L	
SampType:	ICV			Run ID:	ICP-MS3_150623A		Analysis Date:	6/23/2015 12:35:00 PM		Prep Date:		
Analyte	Result			RL	SPK value	Ref Val	%REC	LowLimit	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:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: 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

Sample ID	MB-70152	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg			
SampType:	MBLK	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 12:40:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sodium ND 12.5

Sample ID	LCS-70152			Batch ID:	70152		TestNo:	SW6020A		Units:	mg/Kg	
SampType:	LCS			Run ID:	ICP-MS4_150629B		Analysis Date:	6/29/2015 12:42:00 PM		Prep Date:	6/22/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Sodium 268 12.5 250.0 0 107 80 120

Sample ID	LCSD-70152	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg			
SampType:	LCSD	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 12:44:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sodium 273 12.5 250.0 0 109 80 120 1.93 20

Sample ID	1506216-02B SD	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	SD	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 12:49:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sodium 93.8 60.4 0 70.33 28.6 10 R

Sample ID	1506216-02B PDS			Batch ID:	70152		TestNo:	SW6020A		Units:	mg/Kg-dry	
SampType:	PDS			Run ID:	ICP-MS4_150629B		Analysis Date:	6/29/2015 1:09:00 PM		Prep Date:	6/22/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Sodium 1280 12.1 1208 70.33 100 80 120

Sample ID	1506216-02B MS	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 1:11:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sodium 336 13.4 268.9 70.33 98.7 80 120

Sample ID	1506216-02B MSD			Batch ID:	70152		TestNo:	SW6020A		Units:	mg/Kg-dry	
SampType:	MSD			Run ID:	ICP-MS4_150629B		Analysis Date:	6/29/2015 1:14:00 PM		Prep Date:	6/22/2015	
Analyte	Result			RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sodium 338 13.1 261.5 70.33 102 80 120 0.663 20

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

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

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_150629B

Sample ID	1506216-02B SD	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	SD	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 1:31:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Calcium	35900	604	0	35900				0.017	10	
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Sample ID	1506216-02B PDS	Batch ID:	70152	TestNo:	SW6020A	Units:	mg/Kg-dry			
SampType:	PDS	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 1:43:00 PM	Prep Date:	6/22/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Calcium	47100	121	12080	35900	93.0	80	120			
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Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1506216
Project: 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	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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	Batch ID:	R80337	TestNo:	SW6020A	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS4_150629B	Analysis Date:	6/29/2015 12:20:00 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Calcium	4.86	0.300	5.00	0	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			
SampType:	CCV	Run ID:	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:		
Analyte	Result			RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Calcium	4.87	0.300	5.00	0	97.4	90	110			
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Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_150619D

The QC data in batch 70093 applies to the following samples: 1506216-02D, 1506216-03D, 1506216-04D, 1506216-06D

Sample ID	LCS-70093	Batch ID:	70093	TestNo:	SW8270D	Units:	mg/Kg			
SampType:	LCS	Run ID:	GCMS9_150619D	Analysis Date:	6/19/2015 12:26:00 PM	Prep Date:	6/18/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Methylnaphthalene	1.19	0.0266	1.340	0	88.5	40	125			N
2-Methylnaphthalene	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 (Calculated)	18.8	0.0266	0	0	0	0	0			
Surr: 2,4,6-Tribromophenol	0.653		0.6670		98.0	45	138			
Surr: 2-Fluorobiphenyl	0.513		0.6670		77.0	60	135			
Surr: 2-Fluorophenol	0.620		0.6670		93.0	37	125			
Surr: 4-Terphenyl-d14	0.640		0.6670		96.0	60	129			
Surr: Nitrobenzene-d5	0.687		0.6670		103	45	125			
Surr: Phenol-d5	0.633		0.6670		95.0	40	125			

Sample ID	1506164-03CMS	Batch ID:	70093	TestNo:	SW8270D	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GCMS9_150619D	Analysis Date:	6/19/2015 1:35:00 PM	Prep Date:	6/18/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Methylnaphthalene	1.41	0.0325	1.636	0	86.1	40	125			N
2-Methylnaphthalene	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-Tribromophenol	0.757		0.8145		93.0	45	138			
Surr: 2-Fluorobiphenyl	0.594		0.8145		73.0	60	135			
Surr: 2-Fluorophenol	0.594		0.8145		73.0	37	125			
Surr: 4-Terphenyl-d14	0.716		0.8145		88.0	60	129			
Surr: Nitrobenzene-d5	0.765		0.8145		94.0	45	125			
Surr: Phenol-d5	0.578		0.8145		71.0	40	125			

Sample ID	1506164-03CMSD	Batch ID:	70093	TestNo:	SW8270D	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GCMS9_150619D	Analysis Date:	6/19/2015 1:58:00 PM	Prep Date:	6/18/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Methylnaphthalene	1.29	0.0320	1.610	0	80.2	40	125	8.63	30	N
2-Methylnaphthalene	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-Tribromophenol	0.673		0.8013		84.0	45	138	0	0	
Surr: 2-Fluorobiphenyl	0.625		0.8013		78.0	60	135	0	0	
Surr: 2-Fluorophenol	0.601		0.8013		75.0	37	125	0	0	
Surr: 4-Terphenyl-d14	0.721		0.8013		90.0	60	129	0	0	
Surr: Nitrobenzene-d5	0.713		0.8013		89.0	45	125	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_150619D

Sample ID	1506164-03CMSD	Batch ID:	70093	TestNo:	SW8270D	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GCMS9_150619D	Analysis Date:	6/19/2015 1:58:00 PM	Prep Date:	6/18/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Phenol-d5	0.641		0.8013		80.0	40	125	0	0	

Sample ID	MB-70093	Batch ID:	70093	TestNo:	SW8270D	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GCMS9_150619D	Analysis Date:	6/19/2015 3:54:00 PM	Prep Date:	6/18/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.0266								N
2-Methylnaphthalene	ND	0.0266								
Benzo[a]pyrene	ND	0.0266								
Naphthalene	ND	0.0266								
Total Phenol (Calculated)	ND	0.0266								
Surr: 2,4,6-Tribromophenol	0.560		0.6670		84.0	45	138			
Surr: 2-Fluorobiphenyl	0.540		0.6670		81.0	60	135			
Surr: 2-Fluorophenol	0.513		0.6670		77.0	37	125			
Surr: 4-Terphenyl-d14	0.613		0.6670		92.0	60	129			
Surr: Nitrobenzene-d5	0.480		0.6670		72.0	45	125			
Surr: Phenol-d5	0.647		0.6670		97.0	40	125			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_150619D

Sample ID	ICV-150619	Batch ID:	R80215	TestNo:	SW8270D	Units:	mg/Kg			
SampType:	ICV	Run ID:	GCMS9_150619D	Analysis Date:	6/19/2015 11:40:00 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Methylnaphthalene	3.84	0.0266	4.000	0	96.0	80	120			N
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:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor	
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit	
	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	N	Parameter not NELAC certified	

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_150624A

The QC data in batch 70186 applies to the following samples: 1506216-02C, 1506216-03C, 1506216-04C, 1506216-06C

Sample ID	LCS-70186	Batch ID:	70186	TestNo:	SW8260C	Units:	mg/Kg			
SampType:	LCS	Run ID:	GCMS2_150624A	Analysis Date:	6/24/2015 11:44:00 AM	Prep Date:	6/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.0233	0.00500	0.0232	0	100	68	130			
1,1,2,2-Tetrachloroethane	0.0212	0.00500	0.0232	0	91.3	59	140			
1,1,2,2-Tetrachloroethylene (PCE)	0.0228	0.00500	0.0232	0	98.3	67	139			
1,1,2-Trichloroethane	0.0240	0.00500	0.0232	0	104	62	127			
1,1,2-Trichloroethylene (TCE)	0.0238	0.00500	0.0232	0	102	77	124			
1,1-Dichloroethane	0.0232	0.00500	0.0232	0	99.8	73	125			
1,1-Dichloroethylene	0.0220	0.00500	0.0232	0	94.7	65	136			
1,2-Dichloroethane	0.0232	0.00500	0.0232	0	99.8	72	137			
Benzene	0.0236	0.00500	0.0232	0	102	75	125			
Carbon tetrachloride	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 dibromide (EDB)	0.0217	0.00500	0.0232	0	93.7	70	124			
Methylene chloride	0.0225	0.00500	0.0232	0	96.9	63	137			
Toluene	0.0237	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-Dichloroethane-d4	53.3		50.00		107	52	149			
Surr: 4-Bromofluorobenzene	50.8		50.00		102	84	118			
Surr: Dibromofluoromethane	55.2		50.00		110	65	135			
Surr: Toluene-d8	49.7		50.00		99.5	84	116			

Sample ID	MB-70186	Batch ID:	70186	TestNo:	SW8260C	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GCMS2_150624A	Analysis Date:	6/24/2015 12:42:00 PM	Prep Date:	6/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethane	ND	0.00500								
1,1,2,2-Tetrachloroethylene (PCE)	ND	0.00500								
1,1,2-Trichloroethane	ND	0.00500								
1,1,2-Trichloroethylene (TCE)	ND	0.00500								
1,1-Dichloroethane	ND	0.00500								
1,1-Dichloroethylene	ND	0.00500								
1,2-Dichloroethane	ND	0.00500								
Benzene	ND	0.00500								
Carbon tetrachloride	ND	0.00500								
Chloroform	ND	0.00500								
Ethylbenzene	ND	0.00500								
Ethylene dibromide (EDB)	ND	0.00500								
Methylene chloride	ND	0.00500								

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

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_150624A

Sample ID	MB-70186	Batch ID:	70186	TestNo:	SW8260C	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GCMS2_150624A	Analysis Date:	6/24/2015 12:42:00 PM	Prep Date:	6/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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		TestNo:	SW8260C		Units:	mg/Kg-dry	
SampType:	MS			Run ID:	GCMS2_150624A		Analysis Date:	6/24/2015 3:08:00 PM		Prep Date:	6/24/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

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 (PCE)	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	TestNo:	SW8260C	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GCMS2_150624A	Analysis Date:	6/24/2015 3:37:00 PM	Prep Date:	6/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 (PCE)	0.0225	0.00550	0.0255	0	88.1	67	139	6.41	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_150624A

Sample ID	1506216-02CMSD	Batch ID:	70186	TestNo:	SW8260C	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GCMS2_150624A	Analysis Date:	6/24/2015 3:37:00 PM	Prep Date:	6/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS2_150624A

Sample ID	ICV-150624	Batch ID:	R80271	TestNo:	SW8260C	Units:	mg/Kg			
SampType:	ICV	Run ID:	GCMS2_150624A	Analysis Date:	6/24/2015 11:15:00 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: IC3_150626A

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-70223			Batch ID:	70223		TestNo:	E300		Units:	mg/Kg	
SampType:	LCS			Run ID:	IC3_150626A		Analysis Date:	6/26/2015 11:17:01 AM		Prep Date:	6/26/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

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-70223	Batch ID:	70223	TestNo:	E300	Units:	mg/Kg			
SampType:	LCSD	Run ID:	IC3_150626A	Analysis Date:	6/26/2015 11:40:30 AM	Prep Date:	6/26/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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-70223		Batch ID:	70223		TestNo:	E300		Units:	mg/Kg	
SampType:	MBLK		Run ID:	IC3_150626A		Analysis Date:	6/26/2015 12:21:43 PM		Prep Date:	6/26/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	ND	5.00								
Fluoride	ND	1.00								
Nitrate-N	ND	5.00								
Sulfate	ND	10.0								

Sample ID	1506216-07AMS			Batch ID:	70223		TestNo:	E300		Units:	mg/Kg-dry	
SampType:	MS			Run ID:	IC3_150626A		Analysis Date:	6/26/2015 3:10:40 PM		Prep Date:	6/26/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	158	6.21	124.2	16.49	114	80	120			
Fluoride	94.9	1.24	124.2	4.095	73.1	80	120			S
Nitrate-N	54.6	6.21	28.05	17.74	131	80	120			S
Sulfate	313	12.4	124.2	141.6	138	80	120			S

Sample ID	1506216-07AMSD			Batch ID:	70223			TestNo:	E300			Units:	mg/Kg-dry			
SampType:	MSD			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	RPDLimit	Qual

Chloride	156	5.50	110.0	16.49	127	80	120	1.08	20	S
Fluoride	86.2	1.10	110.0	4.095	74.7	80	120	9.58	20	S
Nitrate-N	61.5	5.50	24.83	17.74	176	80	120	11.9	20	S

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

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

ANALYTICAL QC SUMMARY REPORT

RunID: IC3_150626A

Sample ID	1506216-07AMSD	Batch ID:	70223	TestNo:	E300	Units:	mg/Kg-dry			
SampType:	MSD	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	RPDLimit	Qual
Sulfate	337	11.0	110.0	141.6	178	80	120	7.33	20	S

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

Page 27 of 37

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

ANALYTICAL QC SUMMARY REPORT

RunID: IC3_150626A

Sample ID	ICV-150626	Batch ID:	R80339	TestNo:	E300	Units:	mg/Kg			
SampType:	ICV	Run ID:	IC3_150626A	Analysis Date:	6/26/2015 10:51:19 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	E300	Units:	mg/Kg			
SampType:	CCV	Run ID:	IC3_150626A	Analysis Date:	6/26/2015 4:15:24 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	1.00	5.00	1.000	0	100	90	110			
Fluoride	0.407	1.00	0.4000	0	102	90	110			
Nitrate-N	0.501	5.00	0.5000	0	100	90	110			
Sulfate	3.00	10.0	3.000	0	100	90	110			

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

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

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_150625A

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:	E418.1		Units:	mg/Kg	
SampType:	ICV		Run ID:	IR207_150625A		Analysis Date:	6/25/2015 3:50:00 PM		Prep Date:		
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit Qual

Petroleum Hydrocarbons, TR	232	10.0	250.0	0	92.8	90	110			N
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Sample ID	MB-70217		Batch ID:	70217		TestNo:	E418.1		Units:	mg/Kg	
SampType:	MBLK		Run ID:	IR207_150625A		Analysis Date:	6/25/2015 3:50:00 PM		Prep Date:	6/25/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	ND	10.0								N
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Sample ID	LCS-70217			Batch ID:	70217		TestNo:	E418.1		Units:	mg/Kg	
SampType:	LCS			Run ID:	IR207_150625A		Analysis Date:	6/25/2015 3:50:00 PM		Prep Date:	6/25/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Petroleum Hydrocarbons, TR	91.9	10.0	100.0	0	91.9	80	120			N
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Sample ID	1506216-02AMS		Batch ID:	70217		TestNo:	E418.1		Units:	mg/Kg-dry	
SampType:	MS		Run ID:	IR207_150625A		Analysis Date:	6/25/2015 3:50:00 PM		Prep Date:	6/25/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Petroleum Hydrocarbons, TR	89.5	10.7	107.5	0	83.3	80	120			N
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Sample ID	1506216-02AMSD		Batch ID:	70217		TestNo:	E418.1		Units:	mg/Kg-dry	
SampType:	MSD		Run ID:	IR207_150625A		Analysis Date:	6/25/2015 3:50:00 PM		Prep Date:	6/25/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	90.4	11.1	111.5	0	81.1	80	120	1.01	20	N
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Sample ID	CCV-150625		Batch ID:	70217		TestNo:	E418.1		Units:	mg/Kg	
SampType:	CCV		Run ID:	IR207_150625A		Analysis Date:	6/25/2015 3:50:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	227	10.0	250.0	0	90.7	85	115			N
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Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: PH_150623A

The QC data in batch 70157 applies to the following samples: 1506216-02E, 1506216-03E, 1506216-04E, 1506216-06B

Sample ID	1506199-01A-DUP	Batch ID:	70157	TestNo:	SW9045D	Units:	pH Units@21.6°C
SampType:	DUP	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.20	0	0	7.140				0.837	5	

Sample ID	1506199-02A-DUP	Batch ID:	70157	TestNo:	SW9045D	Units:	pH Units@21.3°C
SampType:	DUP	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	8.30	0	0	8.190				1.33	5	

Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: PH_150623A

Sample ID	ICV1-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21.2°C
SampType:	ICV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 2.00 0 2.000 0 100 99 101

Sample ID	ICV2-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21.2°C
SampType:	ICV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 3.97 0 4.000 0 99.2 99 101

Sample ID	ICV3-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21.2°C
SampType:	ICV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 6.97 0 7.000 0 99.6 99 101

Sample ID	ICV4-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21.3°C
SampType:	ICV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 10.0 0 10.00 0 100 99 101

Sample ID	ICV5-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21.2°C
SampType:	ICV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 11.9 0 12.00 0 99.5 99 101

Sample ID	SSCV-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21.2°C
SampType:	ICV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 6.97 0 7.000 0 99.6 99 101

Sample ID	CCV1-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@21°C
SampType:	CCV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit %RPD RPDLimit Qual

pH 6.99 0 7.000 0 99.9 97.1 102.9

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: PH_150623A

Sample ID	CCV2-150623	Batch ID:	PH_S-42178	TestNo:	SW9045D	Units:	pH Units@20.8°C			
SampType:	CCV	Run ID:	PH_150623A	Analysis Date:	6/23/2015 4:30:00 PM	Prep Date:	6/23/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	6.98	0	7.000	0	99.7	97.1	102.9			

Sample ID	CCV3-150623		Batch ID:	PH_S-42178		TestNo:	SW9045D		Units:	pH Units@20.9°C	
SampType:	CCV		Run ID:	PH_150623A		Analysis Date:	6/23/2015 4:30:00 PM		Prep Date:	6/23/2015	
Analyte	Result		RL	SPK value		Ref Val	%REC		LowLimit	HighLimit	%RPD RPDLimit Qual
pH	6.99		0	7.000		0	99.9		97.1	102.9	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_150623B

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	1506250-10B-DUP	Batch ID:	70166	TestNo:	D2216	Units:	WT%				
SampType:	DUP	Run ID:	PMOIST_150623B	Analysis Date:	6/24/2015 11:00:00 AM	Prep Date:	6/23/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture		13.2	0	0	12.93				2.35	30	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_150626A

The QC data in batch 70204 applies to the following samples: 1506216-01B, 1506216-02B, 1506216-03B, 1506216-04B, 1506216-05B, 1506216-06B, 1506216-07B

Sample ID MB-70204	Batch ID: 70204	TestNo: M2320 B	Units: mg/L @ pH 4.51
SampType: MBLK	Run ID: TITRATOR_150626A	Analysis Date: 6/26/2015 9:55:00 AM	Prep Date: 6/25/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	50.0								
Alkalinity, Carbonate (As CaCO3)	ND	50.0								
Alkalinity, Hydroxide (As CaCO3)	ND	50.0								
Alkalinity, Total (As CaCO3)	ND	50.0								

Sample ID LCS-70204	Batch ID: 70204	TestNo: M2320 B	Units: mg/L @ pH 4.52
SampType: LCS	Run ID: TITRATOR_150626A	Analysis Date: 6/26/2015 10:00:00 AM	Prep Date: 6/25/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	294	50.0	250.0	0	118	81.6	123			

Sample ID 1506216-06B DUP	Batch ID: 70204	TestNo: M2320 B	Units: mg/L @ pH 4.51-dr
SampType: DUP	Run ID: TITRATOR_150626A	Analysis Date: 6/26/2015 10:20:00 AM	Prep Date: 6/25/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	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:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_150626A

Sample ID	ICV-150626	Batch ID:	R80309	TestNo:	M2320 B	Units:	mg/L @ pH 4.53			
SampType:	ICV	Run ID:	TITRATOR_150626A	Analysis Date:	6/26/2015 9:52:00 AM	Prep Date:	6/26/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	22.4	20.0	0							
Alkalinity, Carbonate (As CaCO3)	77.4	20.0	0							
Alkalinity, Hydroxide (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:	M2320 B	Units:	mg/L @ pH 4.52			
SampType:	CCV	Run ID:	TITRATOR_150626A	Analysis Date:	6/26/2015 10:35:00 AM	Prep Date:	6/26/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	21.6	20.0	0							
Alkalinity, Carbonate (As CaCO3)	79.4	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	101	20.0	100.0	0	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_150625B

The QC data in batch 70208 applies to the following samples: 1506216-02E, 1506216-03E, 1506216-04E, 1506216-06B

Sample ID	MB-70208	Batch ID:	70208	TestNo:	SW9014	Units:	mg/Kg			
SampType:	MBLK	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/25/2015 2:33:00 PM	Prep Date:	6/25/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	ND	0.478								
Cyanide, Total	ND	0.478								

Sample ID	1506216-02EMS	Batch ID:	70208	TestNo:	SW9014	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/25/2015 2:33:00 PM	Prep Date:	6/25/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	4.58	0.540	5.404	0	84.7	75	125			

Sample ID	1506216-02EMSD	Batch ID:	70208	TestNo:	SW9014	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/25/2015 2:38:00 PM	Prep Date:	6/25/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	4.83	0.559	5.589	0	86.4	75	125	5.38	30	

Sample ID	LCS2-70208	Batch ID:	70208	TestNo:	SW9014	Units:	mg/Kg			
SampType:	LCS	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/26/2015 10:43:00 AM	Prep Date:	6/25/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	4.11	0.481	4.808	0	85.4	85	115			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

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

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_150625B

Sample ID	ICV-150625	Batch ID:	R80292	TestNo:	SW9014	Units:	mg/Kg				
SampType:	ICV	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/25/2015 2:33:00 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	SW9014	Units:	mg/Kg			
SampType:	CCV	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/25/2015 2:44:00 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	SW9014	Units:	mg/Kg			
SampType:	ICV	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/26/2015 10:43:00 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	SW9014	Units:	mg/Kg				
SampType:	CCV	Run ID:	UV/VIS_2_150625B	Analysis Date:	6/26/2015 10:43:00 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total		0.203	0.500	0.2000	0	101	85	115			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified



October 02, 2015

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,

A handwritten signature in red ink, appearing to read "John DuPont".

John DuPont
General Manager

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



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Table of Contents

Miscellaneous Documents	3
CaseNarrative 1509201	6
WorkOrderSampleSummary 1509201	7
PrepDatesReport 1509201	8
AnalyticalDatesReport 1509201	11
Analytical Report 1509201	14
AnalyticalQCSummaryReport 1509201	28

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LSO

Airbill No. 49614840



49614840

1. To: Print Name (Person) <u>J. Barker</u> Phone (Important) <u>(512) 388-8222</u> Company Name <u>DHC Analytical</u> Street Address (No P.O. Box or P.O. Box Zip Code/Deliveries) <u>2300 Double Creek Dr</u> <u>Round Rock TX 78664</u> Suite / Floor _____ City _____ State _____ Zip _____		2. From: Print Name (Person) _____ Phone (Important) _____ Company Name <u>LARSON & ASSOCIATES</u> Street Address <u>507 NORTH MARINETT</u> Suite / Floor _____ City <u>MIDLAND</u> State <u>TX</u> Zip <u>79701</u>			
3. Service: Visit www.lso.com for availability of services to your destination and enjoy added features by creating your shipping label online. <input checked="" type="checkbox"/> ISO Priority Overnight* By 10:30 a.m. to most cities <input type="checkbox"/> ISO Early Overnight* By 8:30 a.m. select cities <input type="checkbox"/> ISO Economy Next Day* By 3 p.m. to most cities <input type="checkbox"/> ISO 2nd Day* <input type="checkbox"/> ISO Ground <input type="checkbox"/> ISO Saturday* <input type="checkbox"/> Other _____ *Check commitment times and availability at www.lso.com Assumed ISO Priority Overnight service unless otherwise noted. LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless your: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR LSO EARLY OVERNIGHT SERVICE. PACKAGING PROVIDED BY LSO IS NOT INTENDED FOR USE ON ISO GROUND SERVICE. OVERSIZE RATES MAY APPLY. DELIVERY COMMITMENTS MAY VARY. ADDITIONAL FEES MAY APPLY.		4. Package: Weight <u>9.22</u> lbs Your Company's Billing Reference Information _____ Ship Date: (mm/dd/yy) <u>9/22/15</u>		FOR DRIVER USE ONLY Driver Number <u>1100</u> <input type="checkbox"/> Check here if LSO Supplies are used with ISO Ground Service. Pickup Location <u>1100</u> Date <u>9/22/15</u> Time <u>11:00</u> City Code <u>1100</u>	
5. Payment: Release Signature _____ Deliver Without Delivery Signature (See Limits of Liability below)					

Sample Receipt Checklist

Client Name **Larson & Associates**

Date Received: **9/23/2015**

Work Order Number **1509201**

Received by **JB**

Checklist completed by:  **9/23/2015**
Signature Date

Reviewed by:  **9/23/2015**
Initials Date

Carrier name **LoneStar**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1.6 °C
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	
Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____	Checked by _____	

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

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

Lab Order: 1509201
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	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

Lab Order: 1509201
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	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	Anion 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

Lab Order: 1509201
Client: Larson & Associates
Project: Chevron Landfarm

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	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

Lab Order: 1509201
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES 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	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	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	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	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 (comp)	Soil	D2216	Percent Moisture	71573	1	09/24/15 09:20 AM	PMOIST_150923B

Lab Order: 1509201
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1509201-05B	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	IR207_151001A
1509201-06A	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
1509201-06B	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
1509201-07A	Cell 21 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	IR207_151001A
	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
1509201-07B	Cell 17 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 08:17 PM	GC4_150924A
	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
1509201-08A	Cell 17 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	IR207_151001A
	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
1509201-08B	Cell 17 (2-3)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 08:42 PM	GC4_150924A
	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
1509201-09A	Cell 17 (2-3)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	IR207_151001A
	Cell 18 (comp)	Soil	E300	Anions 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
1509201-09B	Cell 18 (comp)	Soil	SW8021B	Volatile Organics by GC	71599	1	09/24/15 09:06 PM	GC4_150924A
	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
1509201-10A	Cell 18 (comp)	Soil	E418.1	TRPH	71675	1	10/01/15 03:17 PM	IR207_151001A
	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

Lab Order: 1509201
Client: Larson & Associates
Project: Chevron Landfarm

ANALYTICAL DATES REPORT

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	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	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	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	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	IR207_151001A

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 26 (comp)
Lab ID: 1509201-01
Collection Date: 09/22/15 09:10 AM
Matrix: 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	09/29/15 02:24 PM
Surr: Isopropylbenzene	73.0	0	47-142		%REC	1	09/29/15 02:24 PM
Surr: Octacosane	94.0	0	25-162		%REC	1	09/29/15 02:24 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.106	0.211		mg/Kg-dry	1	09/29/15 02:17 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	09/29/15 02:17 PM
VOLATILE ORGANICS BY GC		SW8021B					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: Tetrachloroethene	112	0	79-135		%REC	1	09/24/15 05:48 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	14.7	5.55	11.1	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	ND	5.91	5.91		mg/Kg-dry	1	09/29/15 12:58 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	15.7	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 26 (2-3)
Lab ID: 1509201-02
Collection Date: 09/22/15 09:20 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D		Analyst: ABO			
TPH-DRO C10-C28	ND	11.8	11.8		mg/Kg-dry	1	09/29/15 02:33 PM
Surr: Isopropylbenzene	69.6	0	47-142		%REC	1	09/29/15 02:33 PM
Surr: Octacosane	97.1	0	25-162		%REC	1	09/29/15 02:33 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V		Analyst: AV			
Gasoline Range Organics	ND	0.111	0.222		mg/Kg-dry	1	09/29/15 02:45 PM
Surr: Tetrachlorethene	111	0	70-134		%REC	1	09/29/15 02:45 PM
VOLATILE ORGANICS BY GC							
		SW8021B		Analyst: AV			
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: Tetrachloroethene	115	0	79-135		%REC	1	09/24/15 06:13 PM
TRPH							
		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	5.76	11.5	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL							
		E300		Analyst: AV			
Chloride	7.55	5.59	5.59		mg/Kg-dry	1	09/29/15 01:13 PM
PERCENT MOISTURE							
		D2216		Analyst: JL			
Percent Moisture	17.8	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 25 (comp)
Lab ID: 1509201-03
Collection Date: 09/22/15 09:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: ABO
TPH-DRO C10-C28	ND	10.9	10.9		mg/Kg-dry	1	09/29/15 02:42 PM
Surr: Isopropylbenzene	71.7	0	47-142		%REC	1	09/29/15 02:42 PM
Surr: Octacosane	90.5	0	25-162		%REC	1	09/29/15 02:42 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.0975	0.195		mg/Kg-dry	1	09/29/15 03:09 PM
Surr: Tetrachlorethene	114	0	70-134		%REC	1	09/29/15 03:09 PM
VOLATILE ORGANICS BY GC							
		SW8021B					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: Tetrachloroethene	112	0	79-135		%REC	1	09/24/15 06:38 PM
TRPH							
		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.62	11.2	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: AV
Chloride	ND	5.27	5.27		mg/Kg-dry	1	09/29/15 01:27 PM
PERCENT MOISTURE							
		D2216					Analyst: JL
Percent Moisture	13.6	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 25 (2-3)
Lab ID: 1509201-04
Collection Date: 09/22/15 09:40 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	ND	11.2	11.2		mg/Kg-dry	1	09/29/15 02:51 PM
Surr: Isopropylbenzene	80.2	0	47-142		%REC	1	09/29/15 02:51 PM
Surr: Octacosane	96.0	0	25-162		%REC	1	09/29/15 02:51 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.115	0.230		mg/Kg-dry	1	09/29/15 03:33 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	09/29/15 03:33 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	114	0	79-135		%REC	1	09/24/15 07:02 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.94	11.9	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	ND	5.10	5.10		mg/Kg-dry	1	09/29/15 01:42 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	16.3	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 21 (comp)
Lab ID: 1509201-05
Collection Date: 09/22/15 09:45 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.107	0.215		mg/Kg-dry	1	09/29/15 03:57 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	09/29/15 03:57 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	115	0	79-135		%REC	1	09/24/15 07:28 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	13.6	5.73	11.5	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	ND	5.46	5.46		mg/Kg-dry	1	09/29/15 01:56 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	16.5	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 21 (2-3)
Lab ID: 1509201-06
Collection Date: 09/22/15 09:50 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
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 ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	113	0	79-135		%REC	1	09/24/15 07:52 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.85	11.7	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	ND	5.39	5.39		mg/Kg-dry	1	09/29/15 02:11 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	17.3	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 17 (comp)
Lab ID: 1509201-07
Collection Date: 09/22/15 10:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D		Analyst: ABO			
TPH-DRO C10-C28	17.1	11.5	11.5		mg/Kg-dry	1	09/29/15 03:18 PM
Surr: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V		Analyst: AV			
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 ORGANICS BY GC		SW8021B		Analyst: AV			
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: Tetrachloroethene	112	0	79-135		%REC	1	09/24/15 08:17 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	5.61	11.2	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	ND	5.18	5.18		mg/Kg-dry	1	09/29/15 02:25 PM
PERCENT MOISTURE		D2216		Analyst: JL			
Percent Moisture	14.8	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 17 (2-3)
Lab ID: 1509201-08
Collection Date: 09/22/15 10:05 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
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 ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	114	0	79-135		%REC	1	09/24/15 08:42 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.80	11.6	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	8.36	5.29	5.29		mg/Kg-dry	1	09/29/15 02:40 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	14.3	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 18 (comp)
Lab ID: 1509201-09
Collection Date: 09/22/15 10:10 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE 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: Isopropylbenzene	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 PURGEABLE BY GC - SOIL							
		M8015V		Analyst: AV			
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 ORGANICS BY GC							
		SW8021B		Analyst: AV			
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: Tetrachloroethene	111	0	79-135		%REC	1	09/24/15 09:06 PM
TRPH							
		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	5.92	11.8	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL							
		E300		Analyst: AV			
Chloride	ND	5.21	5.21		mg/Kg-dry	1	09/29/15 02:55 PM
PERCENT MOISTURE							
		D2216		Analyst: JL			
Percent Moisture	16.1	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 18 (2-3)
Lab ID: 1509201-10
Collection Date: 09/22/15 10:20 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	12.2	11.6	11.6		mg/Kg-dry	1	09/29/15 04:05 PM
Surr: Isopropylbenzene	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 PURGEABLE 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 ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	110	0	79-135		%REC	1	09/24/15 09:30 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.66	11.3	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	ND	5.21	5.21		mg/Kg-dry	1	09/29/15 03:09 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	14.5	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 19 (comp)
Lab ID: 1509201-11
Collection Date: 09/22/15 10:25 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D		Analyst: ABO			
TPH-DRO C10-C28	26.8	11.4	11.4		mg/Kg-dry	1	09/29/15 04:25 PM
Surr: Isopropylbenzene	67.2	0	47-142		%REC	1	09/29/15 04:25 PM
Surr: Octacosane	106	0	25-162		%REC	1	09/29/15 04:25 PM
TPH PURGEABLE BY GC - SOIL		M8015V		Analyst: AV			
Gasoline Range Organics	ND	0.120	0.239		mg/Kg-dry	1	09/29/15 07:35 PM
Surr: Tetrachlorethene	109	0	70-134		%REC	1	09/29/15 07:35 PM
VOLATILE ORGANICS BY GC		SW8021B		Analyst: AV			
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: Tetrachloroethene	101	0	79-135		%REC	1	09/24/15 10:45 PM
TRPH		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	ND	6.03	12.1	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300		Analyst: AV			
Chloride	ND	5.58	5.58		mg/Kg-dry	1	09/29/15 03:45 PM
PERCENT MOISTURE		D2216		Analyst: JL			
Percent Moisture	18.9	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 19 (2-3)
Lab ID: 1509201-12
Collection Date: 09/22/15 10:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	ND	11.4	11.4		mg/Kg-dry	1	09/29/15 04:34 PM
Surr: Isopropylbenzene	75.4	0	47-142		%REC	1	09/29/15 04:34 PM
Surr: Octacosane	85.9	0	25-162		%REC	1	09/29/15 04:34 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.119	0.238		mg/Kg-dry	1	09/29/15 08:00 PM
Surr: Tetrachlorethene	107	0	70-134		%REC	1	09/29/15 08:00 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	105	0	79-135		%REC	1	09/24/15 11:10 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.72	11.4	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL		E300					Analyst: AV
Chloride	10.5	5.33	5.33		mg/Kg-dry	1	09/29/15 04:00 PM
PERCENT MOISTURE		D2216					Analyst: JL
Percent Moisture	16.4	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 20 (comp)
Lab ID: 1509201-13
Collection Date: 09/22/15 10:35 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: ABO
TPH-DRO C10-C28	ND	11.4	11.4		mg/Kg-dry	1	09/29/15 04:43 PM
Surr: Isopropylbenzene	73.7	0	47-142		%REC	1	09/29/15 04:43 PM
Surr: Octacosane	89.1	0	25-162		%REC	1	09/29/15 04:43 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.110	0.219		mg/Kg-dry	1	09/29/15 08:24 PM
Surr: Tetrachlorethene	118	0	70-134		%REC	1	09/29/15 08:24 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: AV
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: Tetrachloroethene	102	0	79-135		%REC	1	09/24/15 11:35 PM
TRPH							
		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	5.97	11.9	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: AV
Chloride	6.87	5.05	5.05		mg/Kg-dry	1	09/29/15 04:15 PM
PERCENT MOISTURE							
		D2216					Analyst: JL
Percent Moisture	16.4	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 02-Oct-15

CLIENT: Larson & Associates
Project: Chevron Landfarm
Project No: 6-0137
Lab Order: 1509201

Client Sample ID: Cell 20 (2-3)
Lab ID: 1509201-14
Collection Date: 09/22/15 10:40 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: ABO
TPH-DRO C10-C28	ND	11.6	11.6		mg/Kg-dry	1	09/29/15 04:52 PM
Surr: Isopropylbenzene	70.8	0	47-142		%REC	1	09/29/15 04:52 PM
Surr: Octacosane	87.4	0	25-162		%REC	1	09/29/15 04:52 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: AV
Gasoline Range Organics	ND	0.107	0.215		mg/Kg-dry	1	09/29/15 08:48 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	09/29/15 08:48 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: AV
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: Tetrachloroethene	110	0	79-135		%REC	1	09/25/15
TRPH							
		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	ND	6.04	12.1	N	mg/Kg-dry	1	10/01/15 03:17 PM
ANIONS BY IC METHOD - SOIL							
		E300					Analyst: AV
Chloride	5.60	5.47	5.47		mg/Kg-dry	1	09/29/15 04:29 PM
PERCENT MOISTURE							
		D2216					Analyst: JL
Percent Moisture	18.2	0	0		WT%	1	09/24/15 09:20 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

CLIENT: Larson & Associates

Work Order: 1509201

Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_150929A

The QC data in batch 71658 applies to the following samples: 1509201-01B, 1509201-02B, 1509201-03B, 1509201-04B, 1509201-05B, 1509201-06B, 1509201-07B, 1509201-08B, 1509201-09B, 1509201-10B, 1509201-11B, 1509201-12B, 1509201-13B, 1509201-14B

Sample ID	MB-71658	Batch ID:	71658	TestNo:	M8015D	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GC15_150929A	Analysis Date:	9/29/2015 2:06:57 PM	Prep Date:	9/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28 ND 10.0

Surr: Isopropylbenzene

6.03

7.500

80.4

47

142

Surr: Octacosane

7.52

7.500

100

25

162

Sample ID	LCS-71658		Batch ID:	71658		TestNo:	M8015D		Units:	mg/Kg	
SampType:	LCS		Run ID:	GC15_150929A		Analysis Date:	9/29/2015 2:15:56 PM		Prep Date:	9/29/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

TPH-DRO C10-C28

108

10.0

125.0

0

86.2

50

114

Surr: Isopropylbenzene

4.37

7.500

58.3

47

142

Surr: Octacosane

7.67

7.500

102

25

162

Sample ID	1509201-08BMS	Batch ID:	71658	TestNo:	M8015D	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GC15_150929A	Analysis Date:	9/29/2015 3:38:43 PM	Prep Date:	9/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

111

10.8

135.5

0

82.0

50

114

Surr: Isopropylbenzene

2.88

8.130

35.4

47

142

S

Surr: Octacosane

7.54

8.130

92.8

25

162

Sample ID	1509201-08BMSD	Batch ID:	71658	TestNo:	M8015D	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GC15_150929A	Analysis Date:	9/29/2015 3:47:41 PM	Prep Date:	9/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

113

11.0

138.1

0

82.0

50

114

1.82

30

Surr: Isopropylbenzene

3.12

8.284

37.7

47

142

0

0

S

Surr: Octacosane

7.59

8.284

91.6

25

162

0

0

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_150929A

Sample ID	ICV-150929	Batch ID:	R81953	TestNo:	M8015D	Units:	mg/Kg				
SampType:	ICV	Run ID:	GC15_150929A	Analysis Date:	9/29/2015 1:48:24 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D		Units:	mg/Kg	
SampType:	CCV		Run ID:	GC15_150929A		Analysis Date:	9/29/2015 4:14:32 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D		Units:	mg/Kg	
SampType:	CCV		Run ID:	GC15_150929A		Analysis Date:	9/29/2015 5:01:17 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	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:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150924A

The QC data in batch 71599 applies to the following samples: 1509201-01A, 1509201-02A, 1509201-03A, 1509201-04A, 1509201-05A, 1509201-06A, 1509201-07A, 1509201-08A, 1509201-09A, 1509201-10A, 1509201-11A, 1509201-12A, 1509201-13A, 1509201-14A

Sample ID	LCS-71599			Batch ID:	71599		TestNo:	SW8021B		Units:	mg/Kg	
SampType:	LCS			Run ID:	GC4_150924A		Analysis Date:	9/24/2015 4:24:11 PM		Prep Date:	9/24/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

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: Tetrachloroethene	0.190		0.2000		94.9	79	135			

Sample ID	MB-71599	Batch ID:	71599	TestNo:	SW8021B	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GC4_150924A	Analysis Date:	9/24/2015 5:13:14 PM	Prep Date:	9/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.218		0.2000		109	79	135			

Sample ID	1509201-14AMS	Batch ID:	71599	TestNo:	SW8021B	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GC4_150924A	Analysis Date:	9/25/2015 12:24:19 AM	Prep Date:	9/24/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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: Tetrachloroethene	0.213		0.2218		95.9	79	135			

Sample ID	1509201-14AMSD			Batch ID:	71599			TestNo:	SW8021B			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	GC4_150924A			Analysis Date:	9/25/2015 12:49:27 AM			Prep Date:	9/24/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

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: Tetrachloroethene	0.202		0.2114		95.4	79	135	0		

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

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150924A

Sample ID	ICV-150924	Batch ID:	R81888	TestNo:	SW8021B	Units:	mg/Kg				
SampType:	ICV	Run ID:	GC4_150924A	Analysis Date:	9/24/2015 3:36:00 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.190	0.00500	0.2000	0	95.1	80	120			
Toluene	0.195	0.0150	0.2000	0	97.4	80	120			
Ethylbenzene	0.200	0.0150	0.2000	0	100	80	120			
Xylenes, Total	0.641	0.0150	0.6000	0	107	80	120			
Surr: Tetrachloroethene	0.196		0.2000		98.2	79	135			

Sample ID	CCV1-150924	Batch ID:	R81888	TestNo:	SW8021B	Units:	mg/Kg				
SampType:	CCV	Run ID:	GC4_150924A	Analysis Date:	9/24/2015 9:56:18 PM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.0991	0.00500	0.1000	0	99.1	80	120			
Toluene	0.103	0.0150	0.1000	0	103	80	120			
Ethylbenzene	0.104	0.0150	0.1000	0	104	80	120			
Xylenes, Total	0.310	0.0150	0.3000	0	103	80	120			
Surr: Tetrachloroethene	0.210		0.2000		105	79	135			

Sample ID	CCV2-150924	Batch ID:	R81888	TestNo:	SW8021B	Units:	mg/Kg				
SampType:	CCV	Run ID:	GC4_150924A	Analysis Date:	9/25/2015 1:37:42 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	0.100	0.00500	0.1000	0	100	80	120			
Toluene	0.104	0.0150	0.1000	0	104	80	120			
Ethylbenzene	0.105	0.0150	0.1000	0	105	80	120			
Xylenes, Total	0.312	0.0150	0.3000	0	104	80	120			
Surr: Tetrachloroethene	0.209		0.2000		105	79	135			

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

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150929A

The QC data in batch 71671 applies to the following samples: 1509201-01A, 1509201-02A, 1509201-03A, 1509201-04A, 1509201-05A, 1509201-06A, 1509201-07A, 1509201-08A, 1509201-09A, 1509201-10A, 1509201-11A, 1509201-12A, 1509201-13A, 1509201-14A

Sample ID	LCS-71671			Batch ID:	71671		TestNo:	M8015V		Units:	mg/Kg	
SampType:	LCS			Run ID:	GC4_150929A		Analysis Date:	9/29/2015 11:58:49 AM		Prep Date:	9/29/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Gasoline Range Organics	4.84	0.200	5.000	0	96.8	68	126			
Surr: Tetrachlorethene	0.385		0.4000		96.3	70	134			

Sample ID	MB-71671		Batch ID:	71671		TestNo:	M8015V		Units:	mg/Kg	
SampType:	MBLK		Run ID:	GC4_150929A		Analysis Date:	9/29/2015 1:11:17 PM		Prep Date:	9/29/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.449		0.4000		112	70	134			

Sample ID	1509201-14AMS			Batch ID:	71671			TestNo:	M8015V			Units:	mg/Kg-dry		
SampType:	MS			Run ID:	GC4_150929A			Analysis Date:	9/29/2015 9:12:39 PM			Prep Date:	9/29/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Gasoline Range Organics	5.63	0.232	5.797	0	97.1	68	126			
Surr: Tetrachlorethene	0.488		0.4637		105	70	134			

Sample ID	1509201-14AMSD			Batch ID:	71671			TestNo:	M8015V			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	GC4_150929A			Analysis Date:	9/29/2015 9:37:02 PM			Prep Date:	9/29/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Gasoline Range Organics	5.34	0.215	5.378	0	99.4	68	126	5.19	30	
Surr: Tetrachlorethene	0.458		0.4303		106	70	134	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_150929A

Sample ID	ICV-150929	Batch ID:	R81950	TestNo:	M8015V	Units:	mg/Kg				
SampType:	ICV	Run ID:	GC4_150929A	Analysis Date:	9/29/2015 11:18:23 AM	Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	9.99	0.200	10.00	0	99.9	80	120			
Surr: Tetrachlorethene	0.311		0.4000		77.7	70	134			

Sample ID	CCV1-150929	Batch ID:	R81950	TestNo:	M8015V	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC4_150929A	Analysis Date:	9/29/2015 6:47:34 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	5.39	0.200	5.000	0	108	80	120			
Surr: Tetrachlorethene	0.416		0.4000		104	70	134			

Sample ID	CCV2-150929		Batch ID:	R81950		TestNo:	M8015V		Units:	mg/Kg	
SampType:	CCV		Run ID:	GC4_150929A		Analysis Date:	9/29/2015 10:25:27 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics	5.30	0.200	5.000	0	106	80	120			
Surr: Tetrachlorethene	0.417		0.4000		104	70	134			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_150929B

The QC data in batch 71660 applies to the following samples: 1509201-01A, 1509201-02A, 1509201-03A, 1509201-04A, 1509201-05A, 1509201-06A, 1509201-07A, 1509201-08A, 1509201-09A, 1509201-10A, 1509201-11A, 1509201-12A, 1509201-13A, 1509201-14A

Sample ID	LCS-71660			Batch ID:	71660		TestNo:	E300		Units:	mg/Kg	
SampType:	LCS			Run ID:	IC2_150929B		Analysis Date:	9/29/2015 12:14:48 PM		Prep Date:	9/29/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	50.9	5.00	50.00	0	102	80	120			
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Sample ID	LCSD-71660	Batch ID:	71660	TestNo:	E300	Units:	mg/Kg			
SampType:	LCSD	Run ID:	IC2_150929B	Analysis Date:	9/29/2015 12:29:23 PM	Prep Date:	9/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	50.2	5.00	50.00	0	100	80	120	1.39	20	
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Sample ID	MB-71660	Batch ID:	71660	TestNo:	E300	Units:	mg/Kg			
SampType:	MBLK	Run ID:	IC2_150929B	Analysis Date:	9/29/2015 12:43:57 PM	Prep Date:	9/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	ND	5.00								
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Sample ID	1509201-06AMS		Batch ID:	71660		TestNo:	E300		Units:	mg/Kg-dry	
SampType:	MS		Run ID:	IC2_150929B		Analysis Date:	9/29/2015 4:48:24 PM		Prep Date:	9/29/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	134	5.79	115.8	0	116	80	120			
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Sample ID	1509201-06AMSD			Batch ID:	71660			TestNo:	E300			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	IC2_150929B			Analysis Date:	9/29/2015 5:02:58 PM			Prep Date:	9/29/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Chloride	139	5.97	119.5	0	116	80	120	3.46	20	
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Sample ID	1509201-14AMS			Batch ID:	71660		TestNo:	E300		Units:	mg/Kg-dry	
SampType:	MS			Run ID:	IC2_150929B		Analysis Date:	9/29/2015 5:17:33 PM		Prep Date:	9/29/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Chloride	127	5.35	107.0	5.604	114	80	120			
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Sample ID	1509201-14AMSD			Batch ID:	71660			TestNo:	E300			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	IC2_150929B			Analysis Date:	9/29/2015 5:32:07 PM			Prep Date:	9/29/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Chloride	141	5.96	119.1	5.604	113	80	120	10.1	20	
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Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_150929B

Sample ID	ICV-150929	Batch ID:	R81929	TestNo:	E300	Units:	mg/Kg			
SampType:	ICV	Run ID:	IC2_150929B	Analysis Date:	9/29/2015 9:21:19 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	26.0	5.00	25.00	0	104	90	110			

Sample ID	CCV1-150929	Batch ID:	R81929	TestNo:	E300	Units:	mg/Kg			
SampType:	CCV	Run ID:	IC2_150929B	Analysis Date:	9/29/2015 11:24:09 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.5	5.00	10.00	0	105	90	110			

Sample ID	CCV2-150929	Batch ID:	R81929	TestNo:	E300	Units:	mg/Kg			
SampType:	CCV	Run ID:	IC2_150929B	Analysis Date:	9/29/2015 3:28:38 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.6	5.00	10.00	0	106	90	110			

Sample ID	CCV3-150929	Batch ID:	R81929	TestNo:	E300	Units:	mg/Kg			
SampType:	CCV	Run ID:	IC2_150929B	Analysis Date:	9/29/2015 6:01:16 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.5	5.00	10.00	0	105	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_151001A

The QC data in batch 71675 applies to the following samples: 1509201-01B, 1509201-02B, 1509201-03B, 1509201-04B, 1509201-05B, 1509201-06B, 1509201-07B, 1509201-08B, 1509201-09B, 1509201-10B, 1509201-11B, 1509201-12B, 1509201-13B, 1509201-14B

Sample ID	ICV-151001			Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg	
SampType:	ICV			Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Petroleum Hydrocarbons, TR	261	10.0	250.0	0	105	90	110			N
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Sample ID	MB-71675		Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg	
SampType:	MBLK		Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	ND	10.0								N
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Sample ID	LCS-71675		Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg	
SampType:	LCS		Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	99.1	10.0	100.0	0	99.1	80	120			N
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Sample ID	1509201-08BMS		Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg-dry	
SampType:	MS		Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	96.3	10.8	108.2	0	89.0	80	120			N
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Sample ID	1509201-08BMSD		Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg-dry	
SampType:	MSD		Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:	10/1/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	99.4	11.5	115.4	0	86.1	80	120	3.12	20	N
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Sample ID	CCV1-151001		Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg	
SampType:	CCV		Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	263	10.0	250.0	0	105	85	115			N
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Sample ID	CCV2-151001		Batch ID:	71675		TestNo:	E418.1		Units:	mg/Kg		
SampType:	CCV		Run ID:	IR207_151001A		Analysis Date:	10/1/2015 3:17:00 PM		Prep Date:			
Analyte			Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	267	10.0	250.0	0	107	85	115			N
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Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL
DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_150923B

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	1509201-07B-DUP	Batch ID:	71573	TestNo:	D2216	Units:	WT%				
SampType:	DUP	Run ID:	PMOIST_150923B	Analysis Date:	9/24/2015 9:20:00 AM	Prep Date:	9/23/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture		14.9	0	0	14.78				0.649	30	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	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	N	Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1509201
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_150923C

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	1509201-14B-DUP	Batch ID:	71574	TestNo:	D2216	Units:	WT%
SampType:	DUP	Run ID:	PMOIST_150923C	Analysis Date:	9/24/2015 9:20:00 AM	Prep Date:	9/23/2015
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Percent Moisture		16.5	0	0	18.17		9.59 30

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified



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,

A handwritten signature in red ink, appearing to read "John DuPont".

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

Table of Contents

Miscellaneous Documents	3
CaseNarrative 1512223	6
WorkOrderSampleSummary 1512223	7
PrepDatesReport 1512223	8
AnalyticalDatesReport 1512223	10
Analytical Report 1512223	12
AnalyticalQCSummaryReport 1512223	19



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

No 42259

CHAIN-OF-CUSTODY

CLIENT: <u>Larson & Associates, INC</u>	DATE: <u>12-16-2015</u>	PAGE: <u>1</u> OF <u>1</u>
DRESS: <u>507 N. Maricopa St, Ste 205, Midland</u>	PO #: <u>1512223</u>	DHL WORK ORDER #: <u>1512223</u>
ONE: <u>(432) 687-0901</u>	FAX: <u>(432) 687-0456</u>	PROJECT LOCATION OR NAME: <u>Cheyenne Landfill/6-0137-01</u>
TA REPORTED TO: <u>M. Larson</u>	COLLECTOR: <u>M. Larson</u>	CLIENT PROJECT #: <u>6-0137-01</u>
ADDITIONAL REPORT COPIES TO: <u>K. Huckaba</u>		

Field Sample I.D.	S=SOIL W=WATER A=AIR			P=PAINT SL=SLUDGE OT=OTHER			Container Type	# of Containers	PRESERVATION				ANALYSES	FIELD NOTES
	DHL Lab #	Date	Time	Matrix	HCl	HNO ₃			H ₂ SO ₄ NaOH	ICE	UNPRESERVED			
1126 (2'-3')	01	12/16/15	10:45	S	402	2								
1125 (2'-3')	02		11:00			2								
1117 (2'-3')	03		11:10			2								
1118 (2'-3')	04		11:20			2								
1119 (2'-3')	05		11:30			2								
1120 (2'-3')	06		11:40			2								
1121 (2'-3')	07		12:05			2								
TOTAL														

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE/TIME <u>12/16/15 11:00</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	TURN AROUND TIME RUSH <input type="checkbox"/> CALL FIRST 1 DAY <input type="checkbox"/> CALL FIRST 2 DAY <input type="checkbox"/> NORMAL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	LABORATORY USE ONLY: RECEIVING TEMP: <u>5.1</u> THERM #: <u>78</u> CUSTODY SEALS - <input type="checkbox"/> BROKEN <input type="checkbox"/> INTACT <input checked="" type="checkbox"/> NOT USED <input checked="" type="checkbox"/> CARRIER BILL # <u>Fein FX</u> <input type="checkbox"/> APC DELIVERY <input type="checkbox"/> HAND DELIVERED
RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE/TIME <u>12/17/15 10:00</u>	RECEIVED BY: (Signature) <u>[Signature]</u>		
RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE/TIME	RECEIVED BY: (Signature)		
DHL DISPOSAL @ \$5.00 each <input type="checkbox"/> Return <input type="checkbox"/>			3	

ORIGIN ID:MAFA (432) 687-0901

LARSON AND ASSOCIATES, INC
507 N MARIENFELD ST STE 202

MIDLAND, TX 79701
UNITED STATES US

RT 512

1 10:30

C 3626
12.17

TO

DHL ANALYTICAL
2300 DOUBLE CREEK DR

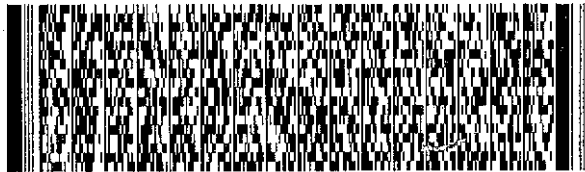
ROUND ROCK TX 78664

(512) 388-8222

REF:

INU:

DEPT:



FedEx
Express



401001609108517

TRK# 7819 7273 3626
0201

THU - 17 DEC 10:30A
PRIORITY OVERNIGHT

A8 BSMA

78664
TX-US AUS



Sample Receipt Checklist

Client Name Larson & Associates

Date Received: 12/17/2015

Work Order Number 1512223

Received by JB

Checklist completed by: [Signature] 12/17/2015
Signature DateReviewed by: [Initials] 12/17/2015
Initials Date

Carrier name FedEx 1day

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	5.1 °C
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH<2 acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____		Checked by _____
Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/> LOT #
	Adjusted? _____		Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Lab 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.

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Lab Order: 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

Lab Order: 1512223

Client: Larson & Associates

Project: Chevron Landfarm/6-0137-01

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	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
1512223-02A	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
1512223-03A	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
1512223-03B	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
1512223-05A	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
1512223-05B	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

Lab Order: 1512223
Client: Larson & Associates
Project: Chevron Landfarm/6-0137-01

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1512223-06B	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
	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	SW5030C	Purge and Trap Soils GC	12/23/15 12:31 PM	72922
1512223-07A	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
	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
1512223-07B	Cell 21 (2-3')	12/16/15 12:05 PM	Soil	SW3550C	Soil Prep Sonication: TRPH	12/23/15 11:07 AM	72921

Lab Order: 1512223
Client: Larson & Associates
Project: Chevron Landfarm/6-0137-01

ANALYTICAL DATES REPORT

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	IR207_151223A
1512223-02A	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	IR207_151223A
1512223-03A	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
1512223-03B	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	IR207_151223A
1512223-05A	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
1512223-05B	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
	Cell 19 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	IR207_151223A
1512223-06A	Cell 20 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 01:38 PM	GC4_151229A
	Cell 20 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 06:24 PM	GC4_151223A
1512223-06B	Cell 20 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	PMOIST_151223A

Lab Order: 1512223
Client: Larson & Associates
Project: Chevron Landfarm/6-0137-01

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1512223-06B	Cell 20 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 03:21 PM	GC15_151221B
	Cell 20 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	IR207_151223A
1512223-07A	Cell 21 (2-3')	Soil	M8015V	TPH Purgeable by GC - Soil	72970	1	12/29/15 02:02 PM	GC4_151229A
	Cell 21 (2-3')	Soil	SW8021B	Volatile Organics by GC	72922	1	12/23/15 06:49 PM	GC4_151223A
1512223-07B	Cell 21 (2-3')	Soil	D2216	Percent Moisture	72929	1	12/24/15 09:00 AM	PMOIST_151223A
	Cell 21 (2-3')	Soil	M8015D	TPH Extractable by GC - Soil	72869	1	12/21/15 03:30 PM	GC15_151221B
	Cell 21 (2-3')	Soil	E418.1	TRPH	72921	1	12/23/15 12:30 PM	IR207_151223A

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 26 (2-3')
Lab ID: 1512223-01
Collection Date: 12/16/15 10:45 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
<hr/>							
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	<13.1	13.1	13.1		mg/Kg-dry	1	12/21/15 02:18 PM
Surr: Isopropylbenzene	73.0	0	47-142		%REC	1	12/21/15 02:18 PM
Surr: Octacosane	86.9	0	25-162		%REC	1	12/21/15 02:18 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	0.414	0.116	0.232		mg/Kg-dry	1	12/29/15 11:37 AM
Surr: Tetrachlorethene	114	0	70-134		%REC	1	12/29/15 11:37 AM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	115	0	79-135		%REC	1	12/23/15 04:23 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	<13.0	6.48	13.0	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE		D2216					Analyst: BJT
Percent Moisture	25.8	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 25 (2-3')
Lab ID: 1512223-02
Collection Date: 12/16/15 11:00 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	<11.2	11.2	11.2		mg/Kg-dry	1	12/21/15 02:27 PM
Surr: Isopropylbenzene	73.3	0	47-142		%REC	1	12/21/15 02:27 PM
Surr: Octacosane	91.2	0	25-162		%REC	1	12/21/15 02:27 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	<0.206	0.103	0.206		mg/Kg-dry	1	12/29/15 12:01 PM
Surr: Tetrachlorethene	109	0	70-134		%REC	1	12/29/15 12:01 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	107	0	79-135		%REC	1	12/23/15 04:47 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	<10.8	5.38	10.8	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE		D2216					Analyst: BJT
Percent Moisture	12.3	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 17 (2-3')
Lab ID: 1512223-03
Collection Date: 12/16/15 11:10 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	<10.7	10.7	10.7		mg/Kg-dry	1	12/21/15 02:36 PM
Surr: Isopropylbenzene	72.4	0	47-142		%REC	1	12/21/15 02:36 PM
Surr: Octacosane	82.2	0	25-162		%REC	1	12/21/15 02:36 PM
TPH PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	<0.224	0.112	0.224		mg/Kg-dry	1	12/29/15 12:25 PM
Surr: Tetrachlorethene	110	0	70-134		%REC	1	12/29/15 12:25 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	110	0	79-135		%REC	1	12/23/15 05:12 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	<10.9	5.46	10.9	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE		D2216					Analyst: BJT
Percent Moisture	11.7	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 18 (2-3')
Lab ID: 1512223-04
Collection Date: 12/16/15 11:20 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D					Analyst: ABO
TPH-DRO C10-C28	<10.9	10.9	10.9		mg/Kg-dry	1	12/21/15 03:03 PM
Surr: Isopropylbenzene	74.4	0	47-142		%REC	1	12/21/15 03:03 PM
Surr: Octacosane	84.3	0	25-162		%REC	1	12/21/15 03:03 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V					Analyst: AV
Gasoline Range Organics	<0.222	0.111	0.222		mg/Kg-dry	1	12/29/15 12:49 PM
Surr: Tetrachlorethene	116	0	70-134		%REC	1	12/29/15 12:49 PM
VOLATILE ORGANICS BY GC							
		SW8021B					Analyst: AV
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: Tetrachloroethene	111	0	79-135		%REC	1	12/23/15 05:36 PM
TRPH							
		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	<11.0	5.48	11.0	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE							
		D2216					Analyst: BJT
Percent Moisture	10.1	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 19 (2-3')
Lab ID: 1512223-05
Collection Date: 12/16/15 11:30 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D		Analyst: ABO			
TPH-DRO C10-C28	<12.5	12.5	12.5		mg/Kg-dry	1	12/21/15 03:12 PM
Surr: Isopropylbenzene	72.6	0	47-142		%REC	1	12/21/15 03:12 PM
Surr: Octacosane	89.3	0	25-162		%REC	1	12/21/15 03:12 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V		Analyst: AV			
Gasoline Range Organics	0.141	0.119	0.238	J	mg/Kg-dry	1	12/29/15 01:14 PM
Surr: Tetrachlorethene	109	0	70-134		%REC	1	12/29/15 01:14 PM
VOLATILE ORGANICS BY GC							
		SW8021B		Analyst: AV			
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: Tetrachloroethene	112	0	79-135		%REC	1	12/23/15 06:00 PM
TRPH							
		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	<12.7	6.34	12.7	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE							
		D2216		Analyst: BJT			
Percent Moisture	23.1	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 20 (2-3')
Lab ID: 1512223-06
Collection Date: 12/16/15 11:40 AM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL							
		M8015D		Analyst: ABO			
TPH-DRO C10-C28	<12.9	12.9	12.9		mg/Kg-dry	1	12/21/15 03:21 PM
Surr: Isopropylbenzene	78.6	0	47-142		%REC	1	12/21/15 03:21 PM
Surr: Octacosane	90.3	0	25-162		%REC	1	12/21/15 03:21 PM
TPH PURGEABLE BY GC - SOIL							
		M8015V		Analyst: AV			
Gasoline Range Organics	<0.261	0.131	0.261		mg/Kg-dry	1	12/29/15 01:38 PM
Surr: Tetrachlorethene	105	0	70-134		%REC	1	12/29/15 01:38 PM
VOLATILE ORGANICS BY GC							
		SW8021B		Analyst: AV			
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: Tetrachloroethene	106	0	79-135		%REC	1	12/23/15 06:24 PM
TRPH							
		E418.1		Analyst: ABO			
Petroleum Hydrocarbons, TR	<12.7	6.36	12.7	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE							
		D2216		Analyst: BJT			
Percent Moisture	23.9	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 29-Dec-15

CLIENT: Larson & Associates
Project: Chevron Landfarm/6-0137-01
Project No: 6-0137-01
Lab Order: 1512223

Client Sample ID: Cell 21 (2-3')
Lab ID: 1512223-07
Collection Date: 12/16/15 12:05 PM
Matrix: SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - SOIL		M8015D					Analyst: ABO
TPH-DRO C10-C28	<10.6	10.6	10.6		mg/Kg-dry	1	12/21/15 03:30 PM
Surr: Isopropylbenzene	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 PURGEABLE BY GC - SOIL		M8015V					Analyst: AV
Gasoline Range Organics	<0.216	0.108	0.216		mg/Kg-dry	1	12/29/15 02:02 PM
Surr: Tetrachlorethene	103	0	70-134		%REC	1	12/29/15 02:02 PM
VOLATILE ORGANICS BY GC		SW8021B					Analyst: AV
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: Tetrachloroethene	102	0	79-135		%REC	1	12/23/15 06:49 PM
TRPH		E418.1					Analyst: ABO
Petroleum Hydrocarbons, TR	22.5	5.32	10.6	N	mg/Kg-dry	1	12/23/15 12:30 PM
PERCENT MOISTURE		D2216					Analyst: BJT
Percent Moisture	7.77	0	0		WT%	1	12/24/15 09:00 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	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
	N	Parameter not NELAC certified		

CLIENT: Larson & Associates

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_151221B

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

Sample ID	MB-72869	Batch ID:	72869	TestNo:	M8015D	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GC15_151221B	Analysis Date:	12/21/2015 2:01:00 PM	Prep Date:	12/21/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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:	M8015D		Units:	mg/Kg	
SampType:	LCS		Run ID:	GC15_151221B		Analysis Date:	12/21/2015 2:09:59 PM		Prep Date:	12/21/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GC15_151221B	Analysis Date:	12/21/2015 2:45:54 PM	Prep Date:	12/21/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

101

10.8

135.1

0

74.6

50

114

Surr: Isopropylbenzene

6.20

8.108

76.5

47

142

Surr: Octacosane

6.62

8.108

81.7

25

162

Sample ID	1512223-03BMSD	Batch ID:	72869	TestNo:	M8015D	Units:	mg/Kg-dry				
SampType:	MSD	Run ID:	GC15_151221B	Analysis Date:	12/21/2015 2:54:53 PM	Prep Date:	12/21/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

TPH-DRO C10-C28

97.3

11.0

137.5

0

70.8

50

114

3.56

30

Surr: Isopropylbenzene

5.96

8.250

72.2

47

142

0

0

Surr: Octacosane

6.68

8.250

81.0

25

162

0

0

Qualifiers: B Analyte detected in the associated Method Blank
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 RL Reporting Limit
 J Analyte detected between SDL and RL

DF Dilution Factor
 MDL Method Detection Limit
 R RPD outside accepted control limits
 S Spike Recovery outside control limits
 N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_151221B

Sample ID	ICV-151221	Batch ID:	R83267	TestNo:	M8015D	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC15_151221B	Analysis Date:	12/21/2015 9:55:31 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC15_151221B	Analysis Date:	12/21/2015 1:46:00 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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:	M8015D	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC15_151221B	Analysis Date:	12/21/2015 3:39:42 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates**Work Order:** 1512223**Project:** Chevron Landfarm/6-0137-01**ANALYTICAL QC SUMMARY REPORT****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:	SW8021B	Units:	mg/Kg
SampType:	LCS	Run ID:	GC4_151223A	Analysis Date:	12/23/2015 1:39:59 PM	Prep Date:	12/23/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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:	SW8021B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC4_151223A	Analysis Date:	12/23/2015 2:35:51 PM	Prep Date:	12/23/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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:	SW8021B	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC4_151223A	Analysis Date:	12/23/2015 7:15:02 PM	Prep Date:	12/23/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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:	SW8021B	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC4_151223A	Analysis Date:	12/23/2015 7:40:04 PM	Prep Date:	12/23/2015

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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	0.292	0.0142	0.2848	0	102	73	119	11.3	30	
Surr: Tetrachloroethene	0.192		0.1899		101	79	135	0		

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_151223A

Sample ID	ICV-151223	Batch ID:	R83335	TestNo:	SW8021B	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC4_151223A	Analysis Date:	12/23/2015 12:58:17 P	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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: Tetrachloroethene	0.208		0.2000		104	79	135			

Sample ID	CCV1-151223	Batch ID:	R83335	TestNo:	SW8021B	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC4_151223A	Analysis Date:	12/23/2015 8:27:58 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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: Tetrachloroethene	0.210		0.2000		105	79	135			

Sample ID	CCV2-151223	Batch ID:	R83335	TestNo:	SW8021B	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC4_151223A	Analysis Date:	12/24/2015 12:07:14 A	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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: Tetrachloroethene	0.198		0.2000		99.2	79	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_151229A

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	Batch ID:	72970	TestNo:	M8015V	Units:	mg/Kg			
SampType:	LCS	Run ID:	GC4_151229A	Analysis Date:	12/29/2015 10:19:31 A	Prep Date:	12/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:	M8015V	Units:	mg/Kg			
SampType:	MBLK	Run ID:	GC4_151229A	Analysis Date:	12/29/2015 11:07:50 A	Prep Date:	12/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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:	M8015V	Units:	mg/Kg-dry			
SampType:	MS	Run ID:	GC4_151229A	Analysis Date:	12/29/2015 2:26:08 PM	Prep Date:	12/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.97	0.212	5.305	0	93.7	68	126			
Surr: Tetrachlorethene	0.424		0.4244		100	70	134			

Sample ID	1512223-07AMSD	Batch ID:	72970	TestNo:	M8015V	Units:	mg/Kg-dry			
SampType:	MSD	Run ID:	GC4_151229A	Analysis Date:	12/29/2015 2:50:10 PM	Prep Date:	12/29/2015			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.86	0.195	4.875	0	99.7	68	126	2.30	30	
Surr: Tetrachlorethene	0.396		0.3900		101	70	134	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates
Work Order: 1512223
Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_151229A

Sample ID	ICV-151229	Batch ID:	R83391	TestNo:	M8015V	Units:	mg/Kg			
SampType:	ICV	Run ID:	GC4_151229A	Analysis Date:	12/29/2015 9:47:27 AM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	8.90	0.200	10.00	0	89.0	80	120			
Surr: Tetrachlorethene	0.292		0.4000		72.9	70	134			

Sample ID	CCV1-151229	Batch ID:	R83391	TestNo:	M8015V	Units:	mg/Kg			
SampType:	CCV	Run ID:	GC4_151229A	Analysis Date:	12/29/2015 3:22:17 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	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: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL
DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_151223A

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

Sample ID	ICV-151223			Batch ID:	72921		TestNo:	E418.1		Units:	mg/Kg	
SampType:	ICV			Run ID:	IR207_151223A		Analysis Date:	12/23/2015 12:30:00 P		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Petroleum Hydrocarbons, TR	255	10.0	250.0	0	102	90	110			N
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Sample ID	MB-72921		Batch ID:	72921		TestNo:	E418.1		Units:	mg/Kg	
SampType:	MBLK		Run ID:	IR207_151223A		Analysis Date:	12/23/2015 12:30:00 P		Prep Date:	12/23/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	<10.0	10.0								N
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Sample ID	LCS-72921			Batch ID:	72921		TestNo:	E418.1		Units:	mg/Kg	
SampType:	LCS			Run ID:	IR207_151223A		Analysis Date:	12/23/2015 12:30:00 P		Prep Date:	12/23/2015	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Petroleum Hydrocarbons, TR	106	10.0	100.0	0	106	80	120			N
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Sample ID	1512223-04BMS		Batch ID:	72921		TestNo:	E418.1		Units:	mg/Kg-dry	
SampType:	MS		Run ID:	IR207_151223A		Analysis Date:	12/23/2015 12:30:00 P		Prep Date:	12/23/2015	
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Petroleum Hydrocarbons, TR	110	10.6	105.9	0	103	80	120			N
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Sample ID	1512223-04BMSD			Batch ID:	72921			TestNo:	E418.1			Units:	mg/Kg-dry		
SampType:	MSD			Run ID:	IR207_151223A			Analysis Date:	12/23/2015 12:30:00 P			Prep Date:	12/23/2015		
Analyte				Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Petroleum Hydrocarbons, TR	115	10.9	108.8	0	106	80	120	4.77	20	N
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Sample ID	CCV-151223		Batch ID:	72921		TestNo:	E418.1		Units:	mg/Kg	
SampType:	CCV		Run ID:	IR207_151223A		Analysis Date:	12/23/2015 12:30:00 P		Prep Date:		
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Petroleum Hydrocarbons, TR	257	10.0	250.0	0	103	85	115			N
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Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

CLIENT: Larson & Associates

Work Order: 1512223

Project: Chevron Landfarm/6-0137-01

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_151223A

The QC data in batch 72929 applies to the following samples: 1512223-01B, 1512223-02B, 1512223-03B, 1512223-04B, 1512223-05B, 1512223-06B, 1512223-07B

Sample ID	1512223-02B-DUP	Batch ID:	72929	TestNo:	D2216	Units:	WT%				
SampType:	DUP	Run ID:	PMOIST_151223A	Analysis Date:	12/24/2015 9:00:36 AM	Prep Date:	12/23/2015				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture		12.2	0	0	12.34				1.17	30	

Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
J	Analyte detected between SDL and RL

DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits
N	Parameter not NELAC certified