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AUG 12 2013

NMED
Hazardous Waste Bureau

August 9, 2013

Mr. Dave Cobrain
NMED Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg 1
Santa Fe, NM 87505

Re:	ALS Workorder:	13-08-001
	Project Name:	Western- Gallup
	Project Number:	WRG-WWTS

Dear Mr. Cobrain:

One water sample was received from NMED Hazardous Waste Bureau on August 01, 2013. The samples were scheduled for the following analyses:

GC/MS Volatiles	pages 1-21
Total Volatile Petroleum Hydrocarbons (Gasoline)	pages 1-11

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Lance Steere
Senior Project Manager

LRS/mlc
Enclosure (s): Report

ALS is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

Accreditation Body	License or Certification Number
Alaska (AK)	UST-086
Alaska (AK)	CO00078
Arizona (AZ)*	AZ0742
California (CA)	06251CA
Colorado (CO)	CO01099
Connecticut (CT)	PH-0232
Florida (FL)	E87914
Idaho (ID)	CO00078
Kansas (KS)	E-10381
Kentucky (KY)	90137
L-A-B (DoD ELAP/ISO 170250)	L2257
Maryland (MD)	285
Missouri	175
Nebraska	NE-OS-24-13
Nevada (NV)	CO000782008A
New Jersey (NJ)**	CO003
North Dakota (ND)	R-057
Oklahoma	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	2976
Texas (TX)	T104704241-09-1
Utah (UT)	CO00078
Washington	C1280

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1308001
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number: WRG-WWTS
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WRG-WWTS-E	1308001-1		WATER	30-Jul-13	12:00

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

1308001

Form 202r8

WORKORDER # Aw 8/1/13 ~~1308235~~

PAGE 1 of 1

PROJECT NAME	Western - Gallup	SAMPLER	Dave Cobrain
PROJECT No.	WRG - WWTS	SITE ID	Western Refining - Gallup
		EDD FORMAT	Std NMED
		PURCHASE ORDER	Price Agreement
COMPANY NAME	New Mexico Environment Dept	BILL TO COMPANY	NMED Hazardous Waste Bureau
SEND REPORT TO	Dave Cobrain	INVOICE ATTN TO	Dave Cobrain
ADDRESS	2905 Rodeo Park Drive E. Bldg 1	ADDRESS	← same
CITY / STATE / ZIP	Santa Fe NM 87505-6303	CITY / STATE / ZIP	←
PHONE	505-476-6055	PHONE	←
FAX	505-476-6030	FAX	←
E-MAIL	dave.cobrain@state.nm.us	E-MAIL	←

DATE 7/31/13

TURNAROUND Normal

DISPOSAL By Lab or Return to Client

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	EPA METHOD 8260	GRO EPA Method 8015 mod. if enough sample
1	WRG-WWTS-E	Water	7/30/13	1200	3	HCL	No	X	X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Dave Cobrain	7/31/13	8:00
RECEIVED BY	Lauren Schlimitz	Lauren Schlimitz	8/1/13	0805
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1308001 ~~1308235~~ aw 8/1/13

Project Manager: LRS Initials: LAS Date: 8/1/13

1. Does this project require any special handling in addition to standard ALS procedures?			YES	(NO)
2. Are custody seals on shipping containers intact?	NONE		(YES)	NO
3. Are Custody seals on sample containers intact?	(NONE)		YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?			(YES)	NO
5. Are the COC and bottle labels complete and legible?			(YES)	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)			(YES)	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF		(YES)	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	(N/A)		YES	NO
9. Are all aqueous non-preserved samples pH 4-9?	(N/A)		YES	NO
10. Is there sufficient sample for the requested analyses?			(YES)	NO
11. Were all samples placed in the proper containers for the requested analyses?			(YES)	NO
12. Are all samples within holding times for the requested analyses?			(YES)	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)			(YES)	NO
(14) Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ____ < green pea ____ > green pea	N/A		YES	(NO) *
15. Do any water samples contain sediment? Amount Amount of sediment: ____ dusting ____ moderate ____ heavy	N/A		YES	(NO)
16. Were the samples shipped on ice?			(YES)	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: (#2) #4		RAD ONLY	(YES)	NO

Cooler #:	1							
Temperature (°C):	3.6							
No. of custody seals on cooler:	1							
DOT Survey/ Acceptance Information — External µR/hr reading:	10							
Background µR/hr reading:	10							

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

* 1308235-1-1, 1-2, 1-3 } all 3 bottles arrived with headspace ≤ pea-size

If applicable, was the client contacted? (YES) / NO / NA Contact: Dave Cobrain Date/Time: 8/1

Project Manager Signature / Date: 8/1/13

Form 201r24.xls (06/04/2012)

*IR Gun #2: Oakton, SN 29922500201-0066
*IR Gun #4: Oakton, SN 2372220101-0002

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8766 9677 4489

1 From This portion can be removed for Recipient's records.

Date

FedEx Tracking Number 8766 9677 4489

Sender's Name

Phone

Company

Address

Dept./Floor/Suite/Room

City

State

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone 970 490-1511

Company

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

State

ZIP 80524-2762

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8766 9677 4489

RECIPIENT FEEDBACK

ORIGIN ID:SAFA (801) 266-7700
ALS ENVIRONMENTAL GCP
960 W LEVOY DR
SALT LAKE CITY, UT 841232502
UNITED STATES US

SHIP DATE: 31JUL13
ACTWGT: 8.8 LB
CAD: /POS1400
DIMS: 12x12x10 IN
BILL RECIPIENT

TO

ALS ENVIROMENTAL
225 COMMERCE DR

FORT COLLINS CO 80524
(970) 490-1511
INV:
PO:
REF:
DEPT:

aw 8/1/13
~~1308235~~
1308001

FedEx Express

J131113021201 26

TRK# 0215 8766 9677 4489

THU - 01 AUG 8:30A
FIRST OVERNIGHT

X1 FTCA 3.6

80524
CO-US DEN

Acct. No. in Section 1 will be billed: Recipient Third Party Credit Card Cash

Total Packages Total Weight lbs.

Credit Card Auth.

611

Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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ALS Environmental

GC/MS Volatiles

Case Narrative

NMED Hazardous Waste Bureau

Western- Gallup -- WRG-WWTS

Work Order Number: 1308001

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 08/01/13. The vials for the sample contained headspace and had a pH >2 at the time of analysis.

2. The sample was prepared according to SW-846, 3rd Edition procedures. Specifically, the water sample was prepared using purge and trap procedures based on Method 5030C.

3. The sample was analyzed using GC/MS with an RTX-624, RTX-VMS, or equivalent capillary column according to the current revision of SOP 525 based on SW-846 Method 8260. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.

4. All initial calibration criteria were met.

5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All criteria for initial calibration verification were met.

6. All compounds in the continuing calibration verification had a %D of less than 20%.

7. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis, ALS has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds. Due to fluctuations in ambient laboratory conditions, reported sample values for common laboratory contaminants may be due to lab contamination even if the compound in question is not detected in the associated method blank. All method blank criteria were met.

8. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.

9. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

10. The sample was analyzed within the established holding time.

11. All surrogate recoveries were within acceptance criteria.

12. All internal standard recoveries were within acceptance criteria.

13. Due to the concentration of target analytes, the sample was analyzed at a dilution. The reporting limits have been adjusted accordingly.

14. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in the current revision of SOP 939.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Emily Lyons

Emily Lyons
Organics Primary Data Reviewer

8/8/13
Date

Organics Final Data Reviewer

8/8/13
Date

ALS
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	This flag indicates that the compound was analyzed for but not detected.
J:	This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
B:	This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
E:	This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
A:	This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
X:	This flag indicates that the analyte was diluted below an accurate quantitation level.
*:	This flag indicates that a spike recovery is equal to or outside the control criteria used.
+:	This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1308001
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number: WRG-WWTS
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WRG-WWTS-E	1308001-1		WATER	30-Jul-13	12:00

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

1308001

Form 202r8

WORKORDER # Aw 8/1/13 ~~1308235~~

PAGE 1 of 1

PROJECT NAME	Western - Gallup	SAMPLER	Dave Cobrain
PROJECT No.	WRG - WWTS	SITE ID	Western Refining - Gallup
		EDD FORMAT	Std NMED
		PURCHASE ORDER	Price Agreement
COMPANY NAME	New Mexico Environment Dept	BILL TO COMPANY	NMED Hazardous Waste Bureau
SEND REPORT TO	Dave Cobrain	INVOICE ATTN TO	Dave Cobrain
ADDRESS	2905 Rodeo Park Drive E. Bldg 1	ADDRESS	← same
CITY / STATE / ZIP	Santa Fe NM 87505-6303	CITY / STATE / ZIP	←
PHONE	505-476-6055	PHONE	←
FAX	505-476-6030	FAX	←
E-MAIL	dave.cobrain@state.nm.us	E-MAIL	←

DATE 7/31/13

TURNAROUND Normal

DISPOSAL By Lab or Return to Client

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	EPA METHOD 8260	GRO EPA Method 8015 mod. if enough sample
1	WRG-WWTS-E	Water	7/30/13	1200	3	HCL	NA	X	X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Dave Cobrain	7/31/13	8:00
RECEIVED BY	[signature]	Lauren Schmitz	8/1/13	0805
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1308001 ~~1308235~~ aw 8/1/13

Project Manager: LRS Initials: LAS Date: 8/1/13

1. Does this project require any special handling in addition to standard ALS procedures?			YES	(NO)
2. Are custody seals on shipping containers intact?	NONE		(YES)	NO
3. Are Custody seals on sample containers intact?	(NONE)		YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?			(YES)	NO
5. Are the COC and bottle labels complete and legible?			(YES)	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)			(YES)	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF		(YES)	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	(N/A)		YES	NO
9. Are all aqueous non-preserved samples pH 4-9?	(N/A)		YES	NO
10. Is there sufficient sample for the requested analyses?			(YES)	NO
11. Were all samples placed in the proper containers for the requested analyses?			(YES)	NO
12. Are all samples within holding times for the requested analyses?			(YES)	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)			(YES)	NO
(14) Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ____ < green pea ____ > green pea	N/A		YES	(NO) *
15. Do any water samples contain sediment? Amount of sediment: ____ dusting ____ moderate ____ heavy	N/A		YES	(NO)
16. Were the samples shipped on ice?			(YES)	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: (#2) #4	RAD ONLY		(YES)	NO

Cooler #:	1						
Temperature (°C):	3.6						
No. of custody seals on cooler:	1						
DOT Survey/ Acceptance Information — External µR/hr reading:	10						
Background µR/hr reading:	10						

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

* 1308235-1-1 & all 3 bottles arrived with
1-2 } headspace ≤ pea-size
1-3 }

If applicable, was the client contacted? (YES) / NO / NA Contact: Dave Cobrain Date/Time: 8/1

Project Manager Signature / Date: 8/1/13

Form 201r24.xls (06/04/2012)

*IR Gun #2: Oakton, SN 29922500201-0066
*IR Gun #4: Oakton, SN 2372220101-0002

FedEx Express *NEW package US Airbill

FedEx Tracking Number 8766 9677 4489

1 From This portion can be removed for Recipient's records.

Date 7/24/13 FedEx Tracking Number 8766 9677 4489

Sender's Name Dave Cohrain Phone 505-[illegible]-6055

Company New Mexico Environmental Health Laboratory

Address 2905 Rodeo Park Drive East

Dept./Floor/Suite/Room

City Santa Fe State NM ZIP 87505-6303

2 Your Internal Billing Reference 710-ENV-FC-LB-00

3 To Recipient's Name Lance Steere Phone 970 490-1511

Company ALS LABORATORY GROUP

Address 225 COMMERCE DR

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Date required for the HOLD location address or for continuation of your shipping address.

City FORT COLLINS State CO ZIP 80524-2762

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. (available ONLY for FedEx Priority Overnight and FedEx 2Day at select locations.

0439187083

8766 9677 4489

RECIPIENT: PEEL HERE

1308235

ORIGIN ID:SAFA (801) 266-7700
ALS ENVIRONMENTAL GCP
960 W LEVOY DR
SALT LAKE CITY, UT 841232502
UNITED STATES US

SHIP DATE: 31JUL13
ACTWGT: 8.8 LB
CAD: 7POS1400
DIMS: 12x12x10 IN
BILL RECIPIENT

TO

ALS ENVIROMENTAL
225 COMMERCE DR

FORT COLLINS CO 80524
(970) 490-1511 REF:
INV: PO: DEPT:

aw 8/1/13
1308235
1308001

FedEx Express

TRK# 0215 8766 9677 4489

THU - 01 AUG 8:30A
FIRST OVERNIGHT

X1 FTCA 3.6

80524 CO-US DEN

Recipient Third Party Credit Card

Total Packages Total Weight lbs. Credit Card Auth.

Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

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Part # 156287-435 RITZ 05/10

GC/MS Volatiles

Method SW8260_25C
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Lab ID: VL130802-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: N/A
File Name: D42987

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	RptLimit LOD/LOQ	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	1	1	U	
74-87-3	CHLOROMETHANE	1	1	1	U	
75-01-4	VINYL CHLORIDE	1	1	1	U	
74-83-9	BROMOMETHANE	1	1	1	U	
75-00-3	CHLOROETHANE	1	1	1	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET	1	1	1	U	
67-64-1	ACETONE	1	10	10	U	
74-88-4	IODOMETHANE	1	1	1	U	
75-15-0	CARBON DISULFIDE	1	1	1	U	
75-09-2	METHYLENE CHLORIDE	1	1	1	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	U	
108-05-4	VINYL ACETATE	1	2	2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	U	
78-93-3	2-BUTANONE	1	10	10	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	U	
67-66-3	CHLOROFORM	1	1	1	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	U	
71-43-2	BENZENE	1	1	1	U	
79-01-6	TRICHLOROETHENE	1	1	1	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25C
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Lab ID: VL130802-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: N/A
File Name: D42987

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

78-87-5	1,2-DICHLOROPROPANE	1	1	1	U	
74-95-3	DIBROMOMETHANE	1	1	1	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	U	
108-88-3	TOLUENE	1	1	1	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	U	
591-78-6	2-HEXANONE	1	10	10	U	
127-18-4	TETRACHLOROETHENE	1	1	1	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	U	
544-10-5	1-CHLOROHEXANE	1	1	1	U	
108-90-7	CHLOROBENZENE	1	1	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	U	
100-41-4	ETHYLBENZENE	1	1	1	U	
136777-61-2	M+P-XYLENE	1	1	1	U	
95-47-6	O-XYLENE	1	1	1	U	
100-42-5	STYRENE	1	1	1	U	
75-25-2	BROMOFORM	1	1	1	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	U	
108-86-1	BROMOBENZENE	1	1	1	U	
103-65-1	N-PROPYLBENZENE	1	1	1	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25C
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Lab ID: VL130802-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: N/A
File Name: D42987

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

98-06-6	TERT-BUTYLBENZENE	1	1	1	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	U	
104-51-8	N-BUTYLBENZENE	1	1	1	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	U	
91-20-3	NAPHTHALENE	1	1	1	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	24.3		25	97	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	25.2		25	101	84 - 118
2037-26-5	TOLUENE-D8	25.5		25	102	85 - 115

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43010

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	100	100	100	U	
74-87-3	CHLOROMETHANE	100	100	100	U	
75-01-4	VINYL CHLORIDE	100	100	100	U	
74-83-9	BROMOMETHANE	100	100	100	U	
75-00-3	CHLOROETHANE	100	100	100	U	
75-69-4	TRICHLOROFLUOROMETHANE	100	100	100	U	
75-35-4	1,1-DICHLOROETHENE	100	100	100	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	100	100	100	U	
67-64-1	ACETONE	100	6500	1000		
74-88-4	IODOMETHANE	100	100	100	U	
75-15-0	CARBON DISULFIDE	100	140	100		
75-09-2	METHYLENE CHLORIDE	100	100	100	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	100	100	100	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	100	100	100	U	
75-34-3	1,1-DICHLOROETHANE	100	100	100	U	
108-05-4	VINYL ACETATE	100	200	200	U	
156-59-2	CIS-1,2-DICHLOROETHENE	100	100	100	U	
78-93-3	2-BUTANONE	100	1000	1000		
74-97-5	BROMOCHLOROMETHANE	100	100	100	U	
67-66-3	CHLOROFORM	100	100	100	U	
71-55-6	1,1,1-TRICHLOROETHANE	100	100	100	U	
594-20-7	2,2-DICHLOROPROPANE	100	100	100	U	
56-23-5	CARBON TETRACHLORIDE	100	100	100	U	
563-58-6	1,1-DICHLOROPROPENE	100	100	100	U	
107-06-2	1,2-DICHLOROETHANE	100	100	100	U	
71-43-2	BENZENE	100	43	100	J	
79-01-6	TRICHLOROETHENE	100	100	100	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43010

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
78-87-5	1,2-DICHLOROPROPANE	100	100	100	U	
74-95-3	DIBROMOMETHANE	100	100	100	U	
75-27-4	BROMODICHLOROMETHANE	100	100	100	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	100	100	100	U	
108-10-1	4-METHYL-2-PENTANONE	100	1000	1000	U	
108-88-3	TOLUENE	100	100	100	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	100	100	100	U	
79-00-5	1,1,2-TRICHLOROETHANE	100	100	100	U	
591-78-6	2-HEXANONE	100	1000	1000	U	
127-18-4	TETRACHLOROETHENE	100	100	100	U	
142-28-9	1,3-DICHLOROPROPANE	100	100	100	U	
124-48-1	DIBROMOCHLOROMETHANE	100	100	100	U	
106-93-4	1,2-DIBROMOETHANE	100	100	100	U	
544-10-5	1-CHLOROHEXANE	100	100	100	U	
108-90-7	CHLOROBENZENE	100	100	100	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	100	100	100	U	
100-41-4	ETHYLBENZENE	100	100	100	U	
136777-61-2	M+P-XYLENE	100	100	100	U	
95-47-6	O-XYLENE	100	100	100	U	
100-42-5	STYRENE	100	100	100	U	
75-25-2	BROMOFORM	100	100	100	U	
98-82-8	ISOPROPYLBENZENE	100	100	100	U	
96-18-4	1,2,3-TRICHLOROPROPANE	100	100	100	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	100	100	100	U	
108-86-1	BROMOBENZENE	100	100	100	U	
103-65-1	N-PROPYLBENZENE	100	100	100	U	
95-49-8	2-CHLOROTOLUENE	100	100	100	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43010

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
108-67-8	1,3,5-TRIMETHYLBENZENE	100	100	100	U	
106-43-4	4-CHLOROTOLUENE	100	100	100	U	
98-06-6	TERT-BUTYLBENZENE	100	100	100	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	100	100	100	U	
135-98-8	SEC-BUTYLBENZENE	100	100	100	U	
541-73-1	1,3-DICHLOROBENZENE	100	100	100	U	
99-87-6	P-ISOPROPYLTOLUENE	100	100	100	U	
106-46-7	1,4-DICHLOROBENZENE	100	100	100	U	
104-51-8	N-BUTYLBENZENE	100	100	100	U	
95-50-1	1,2-DICHLOROBENZENE	100	100	100	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	100	200	200	U	
120-82-1	1,2,4-TRICHLOROBENZENE	100	100	100	U	
87-68-3	HEXACHLOROBUTADIENE	100	100	100	U	
91-20-3	NAPHTHALENE	100	100	100	U	
87-61-6	1,2,3-TRICHLOROBENZENE	100	100	100	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	2430		2500	97	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	2530		2500	101	84 - 118
2037-26-5	TOLUENE-D8	2550		2500	102	85 - 115

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1RR1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43011

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	10	10	10	U	
74-87-3	CHLOROMETHANE	10	10	10	U	
75-01-4	VINYL CHLORIDE	10	10	10	U	
74-83-9	BROMOMETHANE	10	10	10	U	
75-00-3	CHLOROETHANE	10	10	10	U	
75-69-4	TRICHLOROFLUOROMETHANE	10	10	10	U	
75-35-4	1,1-DICHLOROETHENE	10	10	10	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	10	10	10	U	
67-64-1	ACETONE	10	6100	100	E	
74-88-4	IODOMETHANE	10	10	10	U	
75-15-0	CARBON DISULFIDE	10	130	10		
75-09-2	METHYLENE CHLORIDE	10	10	10	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	10	10	10	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	10	3.9	10	J	
75-34-3	1,1-DICHLOROETHANE	10	10	10	U	
108-05-4	VINYL ACETATE	10	20	20	U	
156-59-2	CIS-1,2-DICHLOROETHENE	10	10	10	U	
78-93-3	2-BUTANONE	10	1000	100		
74-97-5	BROMOCHLOROMETHANE	10	10	10	U	
67-66-3	CHLOROFORM	10	10	10	U	
71-55-6	1,1,1-TRICHLOROETHANE	10	10	10	U	
594-20-7	2,2-DICHLOROPROPANE	10	10	10	U	
56-23-5	CARBON TETRACHLORIDE	10	10	10	U	
563-58-6	1,1-DICHLOROPROPENE	10	10	10	U	
107-06-2	1,2-DICHLOROETHANE	10	10	10	U	
71-43-2	BENZENE	10	41	10		
79-01-6	TRICHLOROETHENE	10	10	10	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID:	WRG-WWTS-E
Lab ID:	1308001-1RR1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43011

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
78-87-5	1,2-DICHLOROPROPANE	10	10	10	U	
74-95-3	DIBROMOMETHANE	10	10	10	U	
75-27-4	BROMODICHLOROMETHANE	10	10	10	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	10	10	10	U	
108-10-1	4-METHYL-2-PENTANONE	10	100	100	U	
108-88-3	TOLUENE	10	6.1	10	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	10	10	U	
79-00-5	1,1,2-TRICHLOROETHANE	10	10	10	U	
591-78-6	2-HEXANONE	10	100	100	U	
127-18-4	TETRACHLOROETHENE	10	10	10	U	
142-28-9	1,3-DICHLOROPROPANE	10	10	10	U	
124-48-1	DIBROMOCHLOROMETHANE	10	10	10	U	
106-93-4	1,2-DIBROMOETHANE	10	10	10	U	
544-10-5	1-CHLOROHEXANE	10	10	10	U	
108-90-7	CHLOROBENZENE	10	10	10	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	10	10	U	
100-41-4	ETHYLBENZENE	10	10	10	U	
136777-61-2	M+P-XYLENE	10	10	10	U	
95-47-6	O-XYLENE	10	10	10	U	
100-42-5	STYRENE	10	10	10	U	
75-25-2	BROMOFORM	10	10	10	U	
98-82-8	ISOPROPYLBENZENE	10	10	10	U	
96-18-4	1,2,3-TRICHLOROPROPANE	10	10	10	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	10	10	10	U	
108-86-1	BROMOBENZENE	10	10	10	U	
103-65-1	N-PROPYLBENZENE	10	10	10	U	
95-49-8	2-CHLOROTOLUENE	10	10	10	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1RR1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43011

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
108-67-8	1,3,5-TRIMETHYLBENZENE	10	10	10	U	
106-43-4	4-CHLOROTOLUENE	10	10	10	U	
98-06-6	TERT-BUTYLBENZENE	10	10	10	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	10	10	10	U	
135-98-8	SEC-BUTYLBENZENE	10	10	10	U	
541-73-1	1,3-DICHLOROBENZENE	10	10	10	U	
99-87-6	P-ISOPROPYLTOLUENE	10	10	10	U	
106-46-7	1,4-DICHLOROBENZENE	10	10	10	U	
104-51-8	N-BUTYLBENZENE	10	10	10	U	
95-50-1	1,2-DICHLOROBENZENE	10	10	10	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	20	20	U	
120-82-1	1,2,4-TRICHLOROBENZENE	10	10	10	U	
87-68-3	HEXACHLOROBUTADIENE	10	10	10	U	
91-20-3	NAPHTHALENE	10	10	10	U	
87-61-6	1,2,3-TRICHLOROBENZENE	10	10	10	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	240		250	96	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	253		250	101	84 - 118
2037-26-5	TOLUENE-D8	254		250	101	85 - 115

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1RR2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43012

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	1	1	U	
74-87-3	CHLOROMETHANE	1	1	1	U	
75-01-4	VINYL CHLORIDE	1	1	1	U	
74-83-9	BROMOMETHANE	1	1	1	U	
75-00-3	CHLOROETHANE	1	1	1	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1	1	1	U	
67-64-1	ACETONE	1	5500	10	E	
74-88-4	IODOMETHANE	1	1	1	U	
75-15-0	CARBON DISULFIDE	1	150	1	E	
75-09-2	METHYLENE CHLORIDE	1	1	1	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	4	1		
75-34-3	1,1-DICHLOROETHANE	1	1	1	U	
108-05-4	VINYL ACETATE	1	2	2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	U	
78-93-3	2-BUTANONE	1	960	10	E	
74-97-5	BROMOCHLOROMETHANE	1	1	1	U	
67-66-3	CHLOROFORM	1	1	1	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	U	
71-43-2	BENZENE	1	46	1		
79-01-6	TRICHLOROETHENE	1	1	1	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1RR2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43012

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
78-87-5	1,2-DICHLOROPROPANE	1	1	1	U	
74-95-3	DIBROMOMETHANE	1	1	1	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	U	
108-10-1	4-METHYL-2-PENTANONE	1	13	10		
108-88-3	TOLUENE	1	7.2	1		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	U	
591-78-6	2-HEXANONE	1	18	10		
127-18-4	TETRACHLOROETHENE	1	1	1	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	U	
544-10-5	1-CHLOROHEXANE	1	1	1	U	
108-90-7	CHLOROBENZENE	1	1	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	U	
100-41-4	ETHYLBENZENE	1	1	1	U	
136777-61-2	M+P-XYLENE	1	1	1	U	
95-47-6	O-XYLENE	1	1	1	U	
100-42-5	STYRENE	1	1	1	U	
75-25-2	BROMOFORM	1	1	1	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	U	
108-86-1	BROMOBENZENE	1	1	1	U	
103-65-1	N-PROPYLBENZENE	1	1	1	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	U	

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25 Revision C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1RR2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 02-Aug-13
Date Analyzed: 02-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: As Received
File Name: D43012

Analyst: Steven D. White
Sample Aliquot: 10 ML
Final Volume: 10 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	U	
98-06-6	TERT-BUTYLBENZENE	1	1	1	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	U	
104-51-8	N-BUTYLBENZENE	1	1	1	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	U	
91-20-3	NAPHTHALENE	1	1	1	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	24.4		25	98	85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	25.5		25	102	84 - 118
2037-26-5	TOLUENE-D8	25.3		25	101	85 - 115

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Lab ID: VL130802-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/02/2013
Date Analyzed: 08/02/2013
Prep Method: SW5030C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: N/A
File Name: D42985

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	10	8.95	1		90	77 - 119%
71-43-2	BENZENE	10	9	1		90	83 - 117%
79-01-6	TRICHLOROETHENE	10	8.93	1		89	83 - 117%
108-88-3	TOLUENE	10	8.95	1		89	82 - 113%
108-90-7	CHLOROBENZENE	10	9.06	1		91	81 - 113%

Lab ID: VL130802-4LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/02/2013
Date Analyzed: 08/02/2013
Prep Method: SW5030C

Prep Batch: VL130802-4
QCBatchID: VL130802-4-1
Run ID: VL130802-4A
Cleanup: NONE
Basis: N/A
File Name: D42986

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-35-4	1,1-DICHLOROETHENE	10	8.8	1		88	20	2
71-43-2	BENZENE	10	8.8	1		88	20	2
79-01-6	TRICHLOROETHENE	10	8.67	1		87	20	3
108-88-3	TOLUENE	10	8.79	1		88	20	2
108-90-7	CHLOROBENZENE	10	9.01	1		90	20	1

Data Package ID: *VL1308001-1*

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	25	97		101		85 - 115
1868-53-7	DIBROMOFLUOROMETHANE	25	101		103		84 - 118
2037-26-5	TOLUENE-D8	25	104		104		85 - 115

Data Package ID: *VL1308001-1*

ALS Environmental

Total Volatile Petroleum Hydrocarbons (Gasoline)

Case Narrative

NMED Hazardous Waste Bureau

Western-Gallup – WRG-WWTS

Work Order Number: 1308001

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 08/01/2013.

   The vial for sample -1 contained head space prior to analysis because it was not received head space free.

   The sample had a pH > 2 at the time of analysis.

2. The sample was prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the water sample was prepared by heating and purging 5ml using purge and trap procedures based on Method 5030C. The calibration curve was also prepared using the heated purge.

3. The sample was analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10.

4. All initial and continuing calibration criteria were met.

5. The method blank associated with this project was below the MDL for gasoline range organics.

6. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.

7. Per method requirements, matrix QC was performed for this analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

8. The sample was extracted and analyzed within the established holding time.

9. All surrogate recoveries were within acceptance criteria.

10. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in the current revision of SOP 939.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Mindy Norton

Mindy Norton
Organics Primary Data Reviewer

8/7/13
Date

Joel Nolte

Organics Final Data Reviewer

8-7-13
Date

ALS
Data Qualifier Flags
Fuels

G:	This flag indicates that a pattern resembling gasoline was detected in this sample.
D:	This flag indicates that a pattern resembling diesel was detected in this sample.
M:	This flag indicates that a pattern resembling motor oil was detected in this sample.
H:	This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
L:	This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
Z:	This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products: gasoline JP-4 JP-8 diesel mineral spirits motor oil Stoddard solvent bunker C Multiple flags may be used to indicate the presence of more than one product or component.

ALS
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the data indicate the presence of a compound that meets the identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is outside the control criteria.**
+:	**This flag indicates that the relative percent difference (RPD) exceeds the control criteria.**

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1308001
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number: WRG-WWTS
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WRG-WWTS-E	1308001-1		WATER	30-Jul-13	12:00

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

1308001

Form 202r8

WORKORDER # Aw 8/1/13 ~~1308235~~

PAGE 1 of 1

PROJECT NAME	Western - Gallup	SAMPLER	Dave Cobrain
PROJECT No.	WRG - WWTS	SITE ID	Western Refining - Gallup
		EDD FORMAT	Std NMED
		PURCHASE ORDER	Price Agreement
COMPANY NAME	New Mexico Environment Dept	BILL TO COMPANY	NMED Hazardous Waste Bureau
SEND REPORT TO	Dave Cobrain	INVOICE ATTN TO	Dave Cobrain
ADDRESS	2905 Rodeo Park Drive E. Bldg 1	ADDRESS	← same
CITY / STATE / ZIP	Santa Fe NM 87505-6303	CITY / STATE / ZIP	←
PHONE	505-476-6055	PHONE	←
FAX	505-476-6030	FAX	←
E-MAIL	dave.cobrain@state.nm.us	E-MAIL	←

DATE 7/31/13

TURNAROUND Normal

DISPOSAL By Lab or Return to Client

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	EPA METHOD 8260	GRO EPA Method 8015 mod. (if enough sample)
1	WRG-WWTS-E	Water	7/30/13	1200	3	HCL	NA	X	X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

QC PACKAGE (check below)	
X	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Dave Cobrain	7/31/13	8:00
RECEIVED BY	[signature]	Lauren Schmitz	8/1/13	0805
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1308001 ~~1308235~~ aw 8/1/13

Project Manager: LRS Initials: LAS Date: 8/1/13

1. Does this project require any special handling in addition to standard ALS procedures?			YES	(NO)
2. Are custody seals on shipping containers intact?	NONE		(YES)	NO
3. Are Custody seals on sample containers intact?	(NONE)		YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?			(YES)	NO
5. Are the COC and bottle labels complete and legible?			(YES)	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)			(YES)	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF		(YES)	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	(N/A)		YES	NO
9. Are all aqueous non-preserved samples pH 4-9?	(N/A)		YES	NO
10. Is there sufficient sample for the requested analyses?			(YES)	NO
11. Were all samples placed in the proper containers for the requested analyses?			(YES)	NO
12. Are all samples within holding times for the requested analyses?			(YES)	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)			(YES)	NO
(14) Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ____ < green pea ____ > green pea	N/A		YES	(NO) *
15. Do any water samples contain sediment? Amount of sediment: ____ dusting ____ moderate ____ heavy	N/A		YES	(NO)
16. Were the samples shipped on ice?			(YES)	NO
17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: (#2) #4	RAD ONLY		(YES)	NO

Cooler #:	1						
Temperature (°C):	3.6						
No. of custody seals on cooler:	1						
DOT Survey/ Acceptance Information — External µR/hr reading:	10						
Background µR/hr reading:	10						

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

* 1308235-1-1 & all 3 bottles arrived with
1-2 headspace ≤ pea-size
1-3

If applicable, was the client contacted? (YES) / NO / NA Contact: Dave Cobrain Date/Time: 8/1

Project Manager Signature / Date: 8/1/13

*IR Gun #2: Oakton, SN 29922500201-0066
*IR Gun #4: Oakton, SN 2372220101-0002

Form 201r24.xls (06/04/2012)

FedEx Express *NEW Package US Airbill

FedEx Tracking Number 8766 9677 4489

1 From This portion can be removed for Recipient's records.

Date 7/31/13 FedEx Tracking Number 8766 9677 4489

Sender's Name Dave Cohran Phone 505-[illegible]-1659

Company New Mexico Environmental Health Laboratory

Address 2905 Rodeo Road Building [illegible]

Dept./Floor/Suite/Room

City Santa Fe State NM ZIP 87505-1303

2 Your Internal Billing Reference 7101-ENV-FC-LB-00

3 To Recipient's Name Lance Steele Phone 970 490-1511

Company ALS LABORATORY GROUP

Address 225 COMMERCE DR

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

City FORT COLLINS State CO ZIP 80524-2762

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. (available ONLY for FedEx Priority Overnight and FedEx 2Day) select locations.

0439187083

8766 9677 4489

RECIPIENT: PEEL HERE

1308235

ORIGIN ID:SAFA (801) 266-7700
ALS ENVIRONMENTAL GCP
960 W LEVOY DR
SALT LAKE CITY, UT 841232502
UNITED STATES US

SHIP DATE: 31JUL13
ACTWGT: 8.8 LB
CAD: /POS1400
DIMS: 12x12x10 IN
BILL RECIPIENT

TO

ALS ENVIROMENTAL
225 COMMERCE DR

FORT COLLINS CO 80524
(970) 490-1511 REF:
INV:
PO: DEPT:

aw 8/1/13
~~1308235~~
1308001

FedEx Express

J131130212012 6

TRK# 0215 8766 9677 4489

THU - 01 AUG 8:30A
FIRST OVERNIGHT

X1 FTCA 3.6

80524
CO-US DEN

Recipient Third Party

Total Packages Total Weight Credit Card Auth.

lbs.

611

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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Gasoline Range Organics

Method SW8015D

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Lab ID: HC130805-6MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 05-Aug-13
Date Analyzed: 05-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: HC130805-6
QCBatchID: HC130805-6-1
Run ID: HC130805-6A
Cleanup: NONE
Basis: N/A
File Name: 09684.dat

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	RptLimit LOD/LOQ	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.1	0.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.088		0.1	88	74 - 129

Data Package ID: *HCG1308001-1*

Gasoline Range Organics

Method SW8015 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Field ID: WRG-WWTS-E
Lab ID: 1308001-1

Analysis ReqCode: 162

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 30-Jul-13
Date Extracted: 05-Aug-13
Date Analyzed: 05-Aug-13
Prep Method: SW5030 Rev C

Prep Batch: HC130805-6
QCBatchID: HC130805-6-1
Run ID: HC130805-6A
Cleanup: NONE
Basis: As Received
File Name: 09693.dat

Analyst: Joel F. Nolte
Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit\ LOD\LOQ	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.18	0.1	ZL	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.0968		0.1	97	74 - 129

Data Package ID: *HCG1308001-1*

Gasoline Range Organics

Method SW8015D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1308001
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup WRG-WWTS

Lab ID: HC130805-6LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/05/2013
Date Analyzed: 08/05/2013
Prep Method: SW5030C

Prep Batch: HC130805-6
QCBatchID: HC130805-6-1
Run ID: HC130805-6A
Cleanup: NONE
Basis: N/A
File Name: 09683.dat

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
8006-61-9	GASOLINE RANGE ORGANICS	1	0.997	0.1		100	79 - 118%

Lab ID: HC130805-6LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/05/2013
Date Analyzed: 08/05/2013
Prep Method: SW5030C

Prep Batch: HC130805-6
QCBatchID: HC130805-6-1
Run ID: HC130805-6A
Cleanup: NONE
Basis: N/A
File Name: 09696.dat

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
8006-61-9	GASOLINE RANGE ORGANICS	1	0.971	0.1		97	20	3

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
193533-92-	2,3,4-TRIFLUOROTOLUENE	0.1	98		96		74 - 129

Data Package ID: *HCG1308001-1*