WRG

ALS Environmental

ENTERED

RECEIVED

AUG 27 2014

NMED
Hazardous Waste Bureau

Monday, August 25, 2014

Kristen Van Horn
NMED Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg.1
Santa Fe, NM 87505

Re: ALS Workorder: 1408339
Project Name: Western- Gallup
Project Number:

Dear Van Horn:

Two water samples were received from NMED Hazardous Waste Bureau, on 8/14/2014. The samples were scheduled for the following analyses:

GC/MS Semivolatiles	pages 1-20
Total Volatile Petroleum Hydrocarbons (Gasoline)	pages 1-11
Total Extractable Petroleum Hydrocarbons (Diesel)	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 R. Steere
Project Manager

LRS/axk
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.

ALS Laboratory Certifications	
Accreditation Body	License or Certification Number
Alaska (AK)	UST-086
Alaska (AK)	CO01099
Arizona (AZ)	AZ0742
California (CA)	06251CA
Colorado (CO)	CO01099
Connecticut (CT)	PH-0232
Florida (FL)	E87914
Idaho (ID)	CO01099
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
Utah (UT)	CO01099
Washington	C1280

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1408339
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number:
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
RTC-Sump	1408339-1		WATER	13-Aug-14	11:31
Trip Blank	1408339-2		WATER	13-Aug-14	

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

Form 202r8

WORKORDER #	1408339				
SAMPLER	EFA - PAUL JAMES	DATE	AUG. 12. 2014	PAGE	1 of 1
SITE ID		TURNAROUND	STANDARD	DISPOSAL	By Lab or Return to Client
EDD FORMAT	SEE CONTRACT				
PURCHASE ORDER					
BILL TO COMPANY					
INVOICE ATTN TO					
ADDRESS					
CITY / STATE / ZIP					
PHONE	505-476-6049				
FAX					
E-MAIL					

PROJECT NAME	WESTERN GALLOP
PROJECT No.	
COMPANY NAME	N.M.E.D/HAZ.WASTE
SEND REPORT TO	KRISTEN VAN HORN
ADDRESS	SEE CONTRACT
CITY / STATE / ZIP	
PHONE	505-476-6049
FAX	
E-MAIL	

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	GRO HCl/4°C	DRO HCl/4°C	SEMI VOC - 8270 4°C																	
	RTC-SUMP (1)	WATER	8.13.14	11:31	9	4°/HCl	—	X	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:

GRO/DRO - PRESERVE W/ HCl.
BEWARE: WATER SAMPLES HAD STRONG ODOR.

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]	PAUL JAMES	AUG 15, 14	12:45
RECEIVED BY	FED EX	806283843728		
RELINQUISHED BY	fed ex		8/14/14	0940
RECEIVED BY	[signature]	Erin Peterson	8/14/14	0940
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1408339

Project Manager: _____ Initials: ECP Date: 8/14/14

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: X < 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):	5.2							
No. of custody seals on cooler:	4							
DOT Survey/ Acceptance Information — External µR/hr reading:	16							
Background µR/hr reading:	13							

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.

*1-4, 1-5 have headspace, and 2-1, 2-2.
DRO analysis, so not an issue. 8/14/14

Trip blanks added as sample 2.

If applicable, was the client contacted? **YES / NO / NA** Contact: Dave Cobrain Date/Time: 8/14

Project Manager Signature / Date: 8/14/14

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

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

14083339

FedEx TRK# 0215 8062 8384 3739

THU - 14 AUG 10:30A
PRIORITY OVERNIGHT
ISR
80524
CO-US
DEN

XH FTCA

FedEx Express Package US Airbill

FedEx Tracking Number 8062 8384 3739

1 From

Date 8/13/14 [redacted]

Sender's Name PAUL JAMES Phone 214 418-1160

Company EPA FOR N.M.E.D.

Address 1190 ST. FRANSIS DRIVE #N4050 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87505

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE CUSTODIAN Phone 970 490-1511

Company ALS ENVIRONMENTAL GCP

Address 225 COMMERCE DR Dept./Floor/Suite/Room

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

Address

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

City FORT COLLINS State CO ZIP 80524-27

☐ 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.

0115 205875

8062 8384 3739

FID: 789935 [redacted] 14 GUPA 51AC1/ECF2/6500

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

16

5 Packaging *Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

4

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

☒ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

5.20

Payment Bill to:

Express Account No. or Credit Card No. Obtain recip. Acct. No. ☐

☐ Sender ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 37 lbs. Credit Card Auth.

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

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fedex.com 1.800.GoFedEx 1.800.463.3339

8/14 0940

ALS Environmental

GC/MS Semivolatiles

Case Narrative

NMED Hazardous Waste Bureau

Western- Gallup

Work Order Number: 1408339

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 08/14/14.

2. The sample was prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the water sample was extracted using continuous liquid-liquid extractors, according to SW-846 Method 3520C, utilizing the current revision of SOP 617.

3. The extract was analyzed using GC/MS with a DB-5MS capillary column according to the current revision of SOP 506 based on SW-846 Method 8270D. 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. If average response factors were used in the initial calibration, %RSD was ≤20%. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) ≥0.99.

5. All initial calibration standards are verified by comparing a second source standard initial calibration verification (ICV) against the calibration curve. All target compounds in the second source verification had a %D ≤30%.

6. All method blank criteria were met.

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

8. A matrix spike and matrix spike duplicate were not performed because of insufficient sample. A laboratory control sample and laboratory control sample duplicate were performed instead.

9. The sample was extracted and analyzed within the established holding times.

10. Due to dilution requirements, the surrogates for sample -1 were not recoverable. All other surrogate recoveries were within acceptance criteria with the following exceptions:

Surrogate	Sample	Direction
2-Fluorobiphenyl	-1RR1	High
Nitrobenzene-D_5	-1RR1	High

The re-analysis of the sample confirmed the original surrogate analysis. This suggests that the outliers were due to matrix effects. No further action was taken.

11. All internal standard recoveries were within acceptance criteria.

12. Due to the matrix, the sample had an elevated final volume and was analyzed at dilution to bring target analytes in to calibration range. The sample could not be reported at a 1x dilution due to matrix interferences and to protect the integrity of the instrumentation. The reporting limits have been adjusted accordingly.

13. 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 — 8/23/14

Emily Lyons — Date

Organics Primary Data Reviewer

8/25/14

Organics Final Data Reviewer — 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: 1408339
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number:
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
RTC-Sump	1408339-1		WATER	13-Aug-14	11:31
Trip Blank	1408339-2		WATER	13-Aug-14	

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

Form 202r8

WORKORDER #	1408339
PAGE	1 of 1
DISPOSAL	By Lab or Return to Client

PROJECT NAME	WESTERN GALOP	SAMPLER	EPA - PAUL JAMES
PROJECT No.		SITE ID	
		EDD FORMAT	SEE CONTRACT
		PURCHASE ORDER	
COMPANY NAME	N.M.E.D/HAZWASTE	BILL TO COMPANY	
SEND REPORT TO	KRISTEN VAN HORN	INVOICE ATTN TO	
ADDRESS	SEE CONTRACT	ADDRESS	
CITY / STATE / ZIP		CITY / STATE / ZIP	
PHONE	505-476-6049	PHONE	505-476-6049
FAX		FAX	
E-MAIL		E-MAIL	

DATE	AUG. 13. 2014
TURNAROUND	STANDARD

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	GRO HCl/4°C	DRO HCl/4°C	SEMI VOC - 8270 4°C
	RTC-SUMP (1)	WATER	8.13.14	11:31	9	4°/HCl		X	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:
GRO/DRO - PRESERVE W/
BEWARE: HCl.
WATER SAMPLES HAD STRONG ODOR.

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]	PAUL JAMES	AUG 15, 14	12:45
RECEIVED BY	FED EX	806283843728		
RELINQUISHED BY	fedex		8/14/14	0940
RECEIVED BY	[signature]	Erin Peterson	8/14/14	0940
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1408339

Project Manager: Initials: ECP Date: 8/14/14

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: X < 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): 5.2

No. of custody seals on cooler: 4

DOT Survey/ Acceptance Information

External µR/hr reading: 16

Background µR/hr reading: 13

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.

*1-4, 1-5 have headspace, and 2-1, 2-2.
DRO analysis, so not an issue. 8/14/14

Trip blanks added as sample 2.

If applicable, was the client contacted? YES / NO / NA Contact: Dave Cobrain Date/Time: 8/14

Project Manager Signature / Date: 8/14/14

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

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

1408339

FedEx Express Package US Airbill

FedEx Tracking Number 8062 8384 3739

1 From

Date 9/13/14 [redacted]

Sender's Name PAUL SAMES Phone 214 418-1160

Company EPA FOR N.M.E.D.

Address 1190 ST. FRANCIS DRIVE #N400 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87505

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE CUSTODIAN Phone 970 490-1511

Company ALS ENVIRONMENTAL GCP

Address 225 COMMERCE DR Dept./Floor/Suite/Room

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

Address

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

City FORT COLLINS State CO ZIP 80524

☐ 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.

0115205875

8062 8384 3739

FedEx TRK# 0215 8062 8384 3739

THU - 14 AUG 10:30A
PRIORITY OVERNIGHT
ISR
80524
CO-US
DEN

XH FTCA

FID 789935 1 14 GUPA 51AC1/ECF2/65DD

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

16

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

4

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

☒ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry ice, 9, UN 1845 ___ x ___ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

5.20

Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below Obtain recip. Acct. No. ☐

Sender's No. in Section 1 will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

[redacted]

Total Packages 1 Total Weight 37 lbs. [redacted] Credit Card Auth.

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

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fedex.com 1.800.GoFedEx 1.800.463.3339

GC/MS Semi-volatiles

Method SW8270D

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140816-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: N/A
File Name: N0542

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	10	10	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	U	
62-53-3	ANILINE	1	10	10	U	
108-95-2	PHENOL	1	10	10	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	U	
95-57-8	2-CHLOROPHENOL	1	10	10	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	U	
100-51-6	BENZYL ALCOHOL	1	10	10	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	U	
95-48-7	2-METHYLPHENOL	1	10	10	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	U	
108-39-4	3+4-METHYLPHENOL	1	10	10	U	
67-72-1	HEXACHLOROETHANE	1	10	10	U	
98-95-3	NITROBENZENE	1	10	10	U	
78-59-1	ISOPHORONE	1	10	10	U	
88-75-5	2-NITROPHENOL	1	10	10	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	U	
65-85-0	BENZOIC ACID	1	50	50	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	U	
91-20-3	NAPHTHALENE	1	10	10	U	
106-47-8	4-CHLOROANILINE	1	10	10	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140816-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: N/A
File Name: N0542

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

91-57-6	2-METHYLNAPHTHALENE	1	10	10	U	
90-12-0	1-METHYLNAPHTHALENE	1	10	10	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	U	
88-74-4	2-NITROANILINE	1	20	20	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	U	
208-96-8	ACENAPHTHYLENE	1	10	10	U	
99-09-2	3-NITROANILINE	1	20	20	U	
83-32-9	ACENAPHTHENE	1	10	10	U	
51-28-5	2,4-DINITROPHENOL	1	20	20	U	
100-02-7	4-NITROPHENOL	1	20	20	U	
132-64-9	DIBENZOFURAN	1	10	10	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	U	
86-73-7	FLUORENE	1	10	10	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	U	
100-01-6	4-NITROANILINE	1	20	20	U	
103-33-3	AZOBENZENE	1	10	10	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	20	20	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	10	10	U	
87-86-5	PENTACHLOROPHENOL	1	20	20	U	
85-01-8	PHENANTHRENE	1	10	10	U	
120-12-7	ANTHRACENE	1	10	10	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140816-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: N/A
File Name: N0542

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

86-74-8	CARBAZOLE	1	10	10	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	U	
206-44-0	FLUORANTHENE	1	10	10	U	
129-00-0	PYRENE	1	10	10	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	10	10	U	
218-01-9	CHRYSENE	1	10	10	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	U	
50-32-8	BENZO(A)PYRENE	1	10	10	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	49.8		75	66	42 - 117
321-60-8	2-FLUOROBIPHENYL	43.3		50	87	55 - 108
367-12-4	2-FLUOROPHENOL	53.1		75	71	46 - 105
4165-60-0	NITROBENZENE-D5	38.7		50	77	53 - 111
4165-62-2	PHENOL-D5	53.8		75	72	50 - 109
1718-51-0	TERPHENYL-D14	44.5		50	89	34 - 139

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0548

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	25	480	480	U	
62-75-9	N-NITROSODIMETHYLAMINE	25	480	480	U	
62-53-3	ANILINE	25	480	480	U	
108-95-2	PHENOL	25	540	480		
111-44-4	BIS(2-CHLOROETHYL)ETHER	25	480	480	U	
95-57-8	2-CHLOROPHENOL	25	480	480	U	
541-73-1	1,3-DICHLOROBENZENE	25	480	480	U	
106-46-7	1,4-DICHLOROBENZENE	25	480	480	U	
95-50-1	1,2-DICHLOROBENZENE	25	480	480	U	
100-51-6	BENZYL ALCOHOL	25	480	480	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	25	480	480	U	
95-48-7	2-METHYLPHENOL	25	820	480		
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	25	480	480	U	
108-39-4	3+4-METHYLPHENOL	25	910	480		
67-72-1	HEXACHLOROETHANE	25	480	480	U	
98-95-3	NITROBENZENE	25	480	480	U	
78-59-1	ISOPHORONE	25	480	480	U	
88-75-5	2-NITROPHENOL	25	480	480	U	
105-67-9	2,4-DIMETHYLPHENOL	25	490	480		
111-91-1	BIS(2-CHLOROETHOXY)METHANE	25	480	480	U	
120-83-2	2,4-DICHLOROPHENOL	25	480	480	U	
65-85-0	BENZOIC ACID	25	2400	2400	U	
120-82-1	1,2,4-TRICHLOROBENZENE	25	480	480	U	
91-20-3	NAPHTHALENE	25	440	480	J	
106-47-8	4-CHLOROANILINE	25	480	480	U	
87-68-3	HEXACHLOROBUTADIENE	25	480	480	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	25	480	480	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0548

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
91-57-6	2-METHYLNAPHTHALENE	25	1500	480		
90-12-0	1-METHYLNAPHTHALENE	25	950	480		
77-47-4	HEXACHLOROCYCLOPENTADIENE	25	480	480	U	
88-06-2	2,4,6-TRICHLOROPHENOL	25	480	480	U	
95-95-4	2,4,5-TRICHLOROPHENOL	25	480	480	U	
91-58-7	2-CHLORONAPHTHALENE	25	480	480	U	
88-74-4	2-NITROANILINE	25	960	960	U	
131-11-3	DIMETHYL PHTHALATE	25	480	480	U	
606-20-2	2,6-DINITROTOLUENE	25	480	480	U	
208-96-8	ACENAPHTHYLENE	25	480	480	U	
99-09-2	3-NITROANILINE	25	960	960	U	
83-32-9	ACENAPHTHENE	25	480	480	U	
51-28-5	2,4-DINITROPHENOL	25	960	960	U	
100-02-7	4-NITROPHENOL	25	960	960	U	
132-64-9	DIBENZOFURAN	25	480	480	U	
121-14-2	2,4-DINITROTOLUENE	25	480	480	U	
84-66-2	DIETHYL PHTHALATE	25	480	480	U	
86-73-7	FLUORENE	25	480	480	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	25	480	480	U	
100-01-6	4-NITROANILINE	25	960	960	U	
103-33-3	AZOBENZENE	25	480	480	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	25	960	960	U	
86-30-6	N-NITROSODIPHENYLAMINE	25	480	480	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	25	480	480	U	
118-74-1	HEXACHLOROBENZENE	25	480	480	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	25	480	480	U	
87-86-5	PENTACHLOROPHENOL	25	960	960	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0548

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
85-01-8	PHENANTHRENE	25	310	480	J	
120-12-7	ANTHRACENE	25	480	480	U	
86-74-8	CARBAZOLE	25	480	480	U	
84-74-2	DI-N-BUTYL PHTHALATE	25	480	480	U	
206-44-0	FLUORANTHENE	25	480	480	U	
129-00-0	PYRENE	25	480	480	U	
85-68-7	BUTYL BENZYL PHTHALATE	25	480	480	U	
56-55-3	BENZO(A)ANTHRACENE	25	480	480	U	
91-94-1	3,3'-DICHLOROBENZIDINE	25	480	480	U	
218-01-9	CHRYSENE	25	480	480	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	25	480	480	U	
117-84-0	DI-N-OCTYL PHTHALATE	25	480	480	U	
205-99-2	BENZO(B)FLUORANTHENE	25	480	480	U	
207-08-9	BENZO(K)FLUORANTHENE	25	480	480	U	
50-32-8	BENZO(A)PYRENE	25	480	480	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	25	480	480	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	25	480	480	U	
191-24-2	BENZO(G,H,I)PERYLENE	25	480	480	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0548

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL		X	72.1		42 - 117
321-60-8	2-FLUOROBIPHENYL		X	48.1		55 - 108
367-12-4	2-FLUOROPHENOL		X	72.1		46 - 105
4165-60-0	NITROBENZENE-D5		X	48.1		53 - 111
4165-62-2	PHENOL-D5		X	72.1		50 - 109
1718-51-0	TERPHENYL-D14		X	48.1		34 - 139

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0549

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	5	96	96	U	
62-75-9	N-NITROSODIMETHYLAMINE	5	96	96	U	
62-53-3	ANILINE	5	96	96	U	
108-95-2	PHENOL	5	650	96		
111-44-4	BIS(2-CHLOROETHYL)ETHER	5	96	96	U	
95-57-8	2-CHLOROPHENOL	5	96	96	U	
541-73-1	1,3-DICHLOROBENZENE	5	96	96	U	
106-46-7	1,4-DICHLOROBENZENE	5	96	96	U	
95-50-1	1,2-DICHLOROBENZENE	5	96	96	U	
100-51-6	BENZYL ALCOHOL	5	96	96	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	96	96	U	
95-48-7	2-METHYLPHENOL	5	970	96		
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	5	96	96	U	
108-39-4	3+4-METHYLPHENOL	5	1100	96		
67-72-1	HEXACHLOROETHANE	5	96	96	U	
98-95-3	NITROBENZENE	5	96	96	U	
78-59-1	ISOPHORONE	5	96	96	U	
88-75-5	2-NITROPHENOL	5	96	96	U	
105-67-9	2,4-DIMETHYLPHENOL	5	470	96		
111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	96	96	U	
120-83-2	2,4-DICHLOROPHENOL	5	96	96	U	
65-85-0	BENZOIC ACID	5	480	480	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	96	96	U	
91-20-3	NAPHTHALENE	5	460	96		
106-47-8	4-CHLOROANILINE	5	96	96	U	
87-68-3	HEXACHLOROBUTADIENE	5	96	96	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	5	96	96	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0549

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
91-57-6	2-METHYLNAPHTHALENE	5	1300	96	E	
90-12-0	1-METHYLNAPHTHALENE	5	820	96		
77-47-4	HEXACHLOROCYCLOPENTADIENE	5	96	96	U	
88-06-2	2,4,6-TRICHLOROPHENOL	5	96	96	U	
95-95-4	2,4,5-TRICHLOROPHENOL	5	96	96	U	
91-58-7	2-CHLORONAPHTHALENE	5	96	96	U	
88-74-4	2-NITROANILINE	5	190	190	U	
131-11-3	DIMETHYL PHTHALATE	5	96	96	U	
606-20-2	2,6-DINITROTOLUENE	5	96	96	U	
208-96-8	ACENAPHTHYLENE	5	96	96	U	
99-09-2	3-NITROANILINE	5	190	190	U	
83-32-9	ACENAPHTHENE	5	69	96	J	
51-28-5	2,4-DINITROPHENOL	5	190	190	U	
100-02-7	4-NITROPHENOL	5	190	190	U	
132-64-9	DIBENZOFURAN	5	96	96	U	
121-14-2	2,4-DINITROTOLUENE	5	96	96	U	
84-66-2	DIETHYL PHTHALATE	5	96	96	U	
86-73-7	FLUORENE	5	97	96		
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	96	96	U	
100-01-6	4-NITROANILINE	5	190	190	U	
103-33-3	AZOBENZENE	5	96	96	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	5	190	190	U	
86-30-6	N-NITROSODIPHENYLAMINE	5	96	96	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	5	96	96	U	
118-74-1	HEXACHLOROBENZENE	5	96	96	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	5	96	96	U	
87-86-5	PENTACHLOROPHENOL	5	190	190	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0549

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
85-01-8	PHENANTHRENE	5	320	96		
120-12-7	ANTHRACENE	5	59	96	J	
86-74-8	CARBAZOLE	5	110	96		
84-74-2	DI-N-BUTYL PHTHALATE	5	96	96	U	
206-44-0	FLUORANTHENE	5	96	96	U	
129-00-0	PYRENE	5	35	96	J	
85-68-7	BUTYL BENZYL PHTHALATE	5	96	96	U	
56-55-3	BENZO(A)ANTHRACENE	5	96	96	U	
91-94-1	3,3'-DICHLOROBENZIDINE	5	96	96	U	
218-01-9	CHRYSENE	5	96	96	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	96	96	U	
117-84-0	DI-N-OCTYL PHTHALATE	5	96	96	U	
205-99-2	BENZO(B)FLUORANTHENE	5	96	96	U	
207-08-9	BENZO(K)FLUORANTHENE	5	96	96	U	
50-32-8	BENZO(A)PYRENE	5	96	96	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	5	96	96	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	5	96	96	U	
191-24-2	BENZO(G,H,I)PERYLENE	5	96	96	U	

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 16-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW3520 Rev C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: As Received
File Name: N0549

Analyst: Joe Kostelnik
Sample Aliquot: 1040 ML
Final Volume: 2 ML
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	67.1		72.1	93	42 - 117
321-60-8	2-FLUOROBIPHENYL	52.3	*	48.1	109	55 - 108
367-12-4	2-FLUOROPHENOL	56.4		72.1	78	46 - 105
4165-60-0	NITROBENZENE-D5	60.2	*	48.1	125	53 - 111
4165-62-2	PHENOL-D5	72.9		72.1	101	50 - 109
1718-51-0	TERPHENYL-D14	32.8		48.1	68	34 - 139

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140816-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/16/2014
Date Analyzed: 08/18/2014
Prep Method: SW3520C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: N/A
File Name: N0543

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
108-95-2	PHENOL	60	50.6	10		84	60 - 102%
95-57-8	2-CHLOROPHENOL	60	51.1	10		85	64 - 100%
106-46-7	1,4-DICHLOROBENZENE	60	44.7	10		74	54 - 98%
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	60	55.9	10		93	62 - 113%
120-82-1	1,2,4-TRICHLOROBENZENE	60	46.2	10		77	35 - 105%
59-50-7	4-CHLORO-3-METHYLPHENOL	60	59.3	10		99	45 - 110%
83-32-9	ACENAPHTHENE	60	56	10		93	60 - 108%
100-02-7	4-NITROPHENOL	60	58.8	20		98	24 - 128%
121-14-2	2,4-DINITROTOLUENE	60	62.1	10		104	46 - 114%
87-86-5	PENTACHLOROPHENOL	60	57.4	20		96	40 - 114%
129-00-0	PYRENE	60	58.1	10		97	60 - 113%

Data Package ID: *SV1408339-1*

GC/MS Semi-volatiles

Method SW8270D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140816-2LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/16/2014
Date Analyzed: 08/18/2014
Prep Method: SW3520C

Prep Batch: EX140816-2
QCBatchID: EX140816-2-3
Run ID: SV140818-1
Cleanup: NONE
Basis: N/A
File Name: N0544

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
108-95-2	PHENOL	60	49.2	10		82	40	3
95-57-8	2-CHLOROPHENOL	60	49.3	10		82	42	4
106-46-7	1,4-DICHLOROBENZENE	60	42.9	10		71	50	4
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	60	53.3	10		89	44	5
120-82-1	1,2,4-TRICHLOROBENZENE	60	45.6	10		76	42	1
59-50-7	4-CHLORO-3-METHYLPHENOL	60	56.5	10		94	35	5
83-32-9	ACENAPHTHENE	60	53.6	10		89	43	4
100-02-7	4-NITROPHENOL	60	53.6	20		89	48	9
121-14-2	2,4-DINITROTOLUENE	60	58.3	10		97	40	6
87-86-5	PENTACHLOROPHENOL	60	54	20		90	44	6
129-00-0	PYRENE	60	54.6	10		91	48	6

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	75	94		87		42 - 117
321-60-8	2-FLUOROBIPHENYL	50	87		85		55 - 108
367-12-4	2-FLUOROPHENOL	75	83		79		46 - 105
4165-60-0	NITROBENZENE-D5	50	90		88		53 - 111
4165-62-2	PHENOL-D5	75	84		81		50 - 109
1718-51-0	TERPHENYL-D14	50	97		91		34 - 139

Data Package ID: *SV1408339-1*

ALS Environmental

Total Volatile Petroleum Hydrocarbons (Gasoline)

Case Narrative

NMED Hazardous Waste Bureau

Western-Gallup

Work Order Number: 1408339

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 08/14/2014.

   The water sample was free of head space prior to analysis.

   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. The sample was analyzed at a dilution in order to bring the target analyte within the calibration range of the instrument. The reporting limits have been adjusted accordingly.

11. 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

8/21/14
Date

Organics Final Data Reviewer

8/25/14
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: 1408339
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number:
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
RTC-Sump	1408339-1		WATER	13-Aug-14	11:31
Trip Blank	1408339-2		WATER	13-Aug-14	

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

Form 202r8

WORKORDER #	1408339
PAGE	1 of 1
DISPOSAL	By Lab or Return to Client

		SAMPLER	EFA - PAUL JAMES	DATE	AUG. 12. 2014
PROJECT NAME	WESTERN GALOP	SITE ID		TURNAROUND	STANDARD
PROJECT No.		EDD FORMAT	SEE CONTRACT		
		PURCHASE ORDER			
COMPANY NAME	N.M.E.D/HAZ.WASTE	BILL TO COMPANY			
SEND REPORT TO	KRISTEN VAN HORN	INVOICE ATTN TO			
ADDRESS	SEE CONTRACT	ADDRESS			
CITY / STATE / ZIP		CITY / STATE / ZIP			
PHONE	505-476-6049	PHONE	505-476-6049		
FAX		FAX			
E-MAIL		E-MAIL			

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	GRO HCl/4°	DRO HCl/4°	SEMI VOC - 8270 4°																		
	RTC-SUMP (1)	WATER	8.13.14	11:31	9	4°/HCl	—	X	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)	
GRO/DRO - PRESERVE W/ HCl. BEWARE: WATER SAMPLES HAD STRONG ODOR.	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]	PAUL JAMES	AUG 15, 14	12:45
RECEIVED BY	FED EX	806283843728		
RELINQUISHED BY	fed ex	→	8/14/14	0940
RECEIVED BY	[signature]	Erin Peterson	8/14/14	0940
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1408339

Project Manager: Initials: ECP Date: 8/14/14

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: X < 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): 5.2

No. of custody seals on cooler: 4

DOT Survey/ Acceptance Information

External µR/hr reading: 16

Background µR/hr reading: 13

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.

*1-4, 1-5 have headspace, and 2-1, 2-2.
DRO analysis, so not an issue. 8/14/14

Trip blanks added as sample 2.

If applicable, was the client contacted? YES / NO / NA Contact: Dave Cobrain Date/Time: 8/14

Project Manager Signature / Date: 8/14/14

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

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

14083339

FedEx. TRK# 0215 8062 8384 3739

THU - 14 AUG 10:30A
PRIORITY OVERNIGHT
ISR
80524
CO-US
DEN

XH FTCA

FedEx Express Package US Airbill

FedEx Tracking Number 8062 8384 3739

1 From

Date 8/13/14

Sender's Name PAUL SAMES Phone 214 418-1160

Company EPA FOR N.M.E.D.

Address 1190 ST. FRANCIS DRIVE #N400 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87505

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE CUSTODIAN Phone 970 490-1511

Company ALS ENVIRONMENTAL GCP

Address 225 COMMERCE DR Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

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.

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

City FORT COLLINS State CO ZIP 80524

0115205875

8062 8384 3739

FID 789935 1408614 GUPA 51AC1/ECF2/65DD

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

16

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

4

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [x] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 ___ x ___ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

5.20

Payment Bill to:

Enter FedEx Acct. or Credit Card No. Obtain recip. Acct. No. [ ]

Sender's FedEx Acct. No. in Section 1 will be billed. [x] Recipient [ ] Third Party [ ] Credit Card [ ] Cash/Check

[redacted]

Credit Card Auth.

Total Packages 1 Total Weight 37 lbs.

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

611

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fedex.com 1.800.GoFedEx 1.800.463.3339

Gasoline Range Organics

Method SW8015D

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: HC140818-6MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW5030 Rev C

Prep Batch: HC140818-6
QCBatchID: HC140818-6-2
Run ID: HC140818-6A
Cleanup: NONE
Basis: N/A
File Name: 13482.dat

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

CASNO	Target Analyte	DF	Result	RptLimit/ 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	0.0857		0.1	86	74 - 129

Data Package ID: *HCG1408339-1*

Gasoline Range Organics

Method SW8015 Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 18-Aug-14
Date Analyzed: 18-Aug-14
Prep Method: SW5030 Rev C

Prep Batch: HC140818-6
QCBatchID: HC140818-6-2
Run ID: HC140818-6A
Cleanup: NONE
Basis: As Received
File Name: 13491.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/ LOQ	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	25	41	2.5	GZH	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	2.52		2.5	101	74 - 129

Data Package ID: *HCG1408339-1*

Gasoline Range Organics

Method SW8015D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: HC140818-6LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/18/2014
Date Analyzed: 08/18/2014
Prep Method: SW5030C

Prep Batch: HC140818-6
QCBatchID: HC140818-6-2
Run ID: HC140818-6A
Cleanup: NONE
Basis: N/A
File Name: 13481.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	0.5	0.487	0.1		97	79 - 118%

Lab ID: HC140818-6LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/18/2014
Date Analyzed: 08/18/2014
Prep Method: SW5030C

Prep Batch: HC140818-6
QCBatchID: HC140818-6-2
Run ID: HC140818-6A
Cleanup: NONE
Basis: N/A
File Name: 13498.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	0.5	0.5	0.1		100	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	95		98		74 - 129

Data Package ID: *HCG1408339-1*

ALS Environmental

Total Extractable Petroleum Hydrocarbons (Diesel)

Case Narrative

NMED Hazardous Waste Bureau

Western-Gallup

Work Order Number: 1408339

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 08/14/2014.

2. The water sample was extracted by adding hexane to the water sample and shaking the resulting two phase solution according to the current revision of SOP 603, which was developed at ALS. The hydrocarbons partition into the hexane layer, which is then removed for analysis.

3. The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH 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 C10 to C28.

4. All initial and continuing calibration criteria were met.

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

6. All laboratory control sample recoveries 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 the 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

8/25/14
Date

Organics Final Data Reviewer

8/25/14
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.
C:	This flag indicates that a pattern resembling crude oil was detected in this sample.
4:	This flag indicates that a pattern resembling JP-4 was detected in this sample.
5:	This flag indicates that a pattern resembling JP-5 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-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: 1408339
Client Name: NMED Hazardous Waste Bureau
Client Project Name: Western- Gallup
Client Project Number:
Client PO Number: 20-667-00-16004

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
RTC-Sump	1408339-1		WATER	13-Aug-14	11:31
Trip Blank	1408339-2		WATER	13-Aug-14	

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

Form 202r8

WORKORDER #	14083339
PAGE	1 of 1
DISPOSAL	By Lab or Return to Client

PROJECT NAME	WESTERN GALOP	SAMPLER	EPA - PAUL JAMES
PROJECT No.		SITE ID	
		EDD FORMAT	SEE CONTRACT
		PURCHASE ORDER	
COMPANY NAME	N.M.E.D/HAZWASTE	BILL TO COMPANY	
SEND REPORT TO	KRISTEN VAN HORN	INVOICE ATTN TO	
ADDRESS	SEE CONTRACT	ADDRESS	
CITY / STATE / ZIP		CITY / STATE / ZIP	
PHONE	505-476-6049	PHONE	505-476-6049
FAX		FAX	
E-MAIL		E-MAIL	

DATE	AUG. 13. 2014
TURNAROUND	STANDARD

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	GRO HCl/4°C	DRO HCl/4°C	SEMI VOC - 8270 4°C
	RTC-SUMP (1)	WATER	8.13.14	11:31	9	4°/HCl	—	X	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:

GRO/DRO - PRESERVE W/ HCl.
BEWARE: WATER SAMPLES HAD STRONG ODOR.

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]	PAUL JAMES	AUG 15, 14	12:45
RECEIVED BY	FEDEX	806283843728		
RELINQUISHED BY	fedex		8/14/14	0940
RECEIVED BY	[signature]	Erin Peterson	8/14/14	0940
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1408339

Project Manager: Initials: ECP Date: 8/14/14

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: X < 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): 5.2

No. of custody seals on cooler: 4

DOT Survey/ Acceptance Information

External µR/hr reading: 16

Background µR/hr reading: 13

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.

*1-4, 1-5 have headspace, and 2-1, 2-2.
DRO analysis, so not an issue. 8/14/14

Trip blanks added as sample 2.

If applicable, was the client contacted? YES / NO / NA Contact: Dave Cobrain Date/Time: 8/14

Project Manager Signature / Date: 8/14/14

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

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

14083339

FedEx. TRK# 0215 8062 8384 3739

THU - 14 AUG 10:30A
PRIORITY OVERNIGHT
ISR
80524
CO-US
DEN

XH FTCA

FedEx Express Package US Airbill

FedEx Tracking Number 8062 8384 3739

1 From

Date 8/13/14 [redacted]

Sender's Name PAUL SAMPES Phone 214 418-1160

Company EPA FOR N.M.E.D.

Address 1190 ST. FRANCIS DRIVE #N4050 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87505

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE CUSTODIAN Phone 970 490-1511

Company ALS ENVIRONMENTAL INC

Address 225 COMMERCE DR Dept./Floor/Suite/Room

We cannot deliver to PO boxes or PO ZIP codes.

Address

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

City FORT COLLINS State CO ZIP 80524

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.

0115205875

8062 8384 3739

FID 789935 14AG14 GUPA 51AC1/ECF2/65D0

FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

16

5 Packaging * Declared value limit $500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

4

6 Special Handling and Delivery Signature Options

SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required — Package may be left without obtaining a signature for delivery.

Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

No

Yes — As per attached Shipper's Declaration.

Yes — Shipper's Declaration not required.

Dry Ice — Dry Ice, 9, UN 1845 x kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

Cargo Aircraft Only

5.20

Payment Bill to: Enter FedEx Acct. No. or Credit Card No. Obtain recip. Acct. No.

Sender Recipient Third Party Credit Card Cash/Check

Total Packages 1 Total Weight 37 lbs. Credit Card Auth.

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

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Diesel Range Organics

Method SW8015MD
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140820-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 20-Aug-14
Date Analyzed: 21-Aug-14
Prep Method: METHOD

Prep Batch: EX140820-3
QCBatchID: EX140820-3-1
Run ID: HC140821-7A
Cleanup: NONE
Basis: N/A
File Name: 06859.dat

Sample Aliquot: 36 ml
Final Volume: 1 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	0.5	0.5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	1.19		1.39	86	54 - 123

Data Package ID: *HCD1408339-1*

Diesel Range Organics

Method SW8015M Revision D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Field ID: RTC-Sump
Lab ID: 1408339-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Aug-14
Date Extracted: 20-Aug-14
Date Analyzed: 21-Aug-14
Prep Method: METHOD

Prep Batch: EX140820-3
QCBatchID: EX140820-3-1
Run ID: HC140821-7A
Cleanup: NONE
Basis: As Received
File Name: 06861.dat

Analyst: Joel F. Nolte
Sample Aliquot: 36.3 ML
Final Volume: 1 ML
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	RptLimit/ LOQ	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	18	0.5	LZDMH	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	1.06		1.38	77	54 - 123

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C8-C38.

Data Package ID: *HCD1408339-1*

Diesel Range Organics

Method SW8015MD

Laboratory Control Sample

Lab Name: ALS Environmental -- FC
Work Order Number: 1408339
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: Western- Gallup

Lab ID: EX140820-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 08/20/2014
Date Analyzed: 08/21/2014
Prep Method: METHOD

Prep Batch: EX140820-3
QCBatchID: EX140820-3-1
Run ID: HC140821-7A
Cleanup: NONE
Basis: N/A
File Name: 06860.dat

Sample Aliquot: 35.9 ml
Final Volume: 1 ml
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
68334-30-5	Diesel Range Organics	13.9	14.3	0.501		103	36 - 150%

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	1.27		1.39	91	54 - 123

Data Package ID: *HCD1408339-1*