ENTERED

November 9, 2011

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

Re:	ALS Workorder:	11-10-068
	Project Name:	WQSP-6 Split
	Project Number:	None Submitted

Dear Mr. Maestas:

Five water samples were received by NMED Hazardous Waste Bureau on October 6, 2011. The samples were scheduled for the following analyses:

Metals	pages 1-13
GC/MS Volatiles	pages 1-31
GC/MS Semivolatiles	pages 1-19

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

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

Sincerely,

ALS Environmental
Lance Steere
Senior Project Manager

LRS/eg
Enclosure (s): Report + CD

ADDRESS 225 Commerce Drive, Fort Collins, Colorado, USA 80524 PHONE +1 970 490 1511 FAX +1 970 490 1522
ALS GROUP USA, CORP. Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNERS

111110

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
Washington	C1280
Utah	CO00078
Arizona	AZ0742
Alaska	UST-086
Alaska	CO00078
Florida	E87914
Missouri	175
North Dakota	R-057
New Jersey	CO003
Nevada	CO000782008A
California	06251CA
Kansas	E-10381
Maryland	285
Pennsylvania	68-03116
Texas	T104704241-09-1
Colorado	CO00078
Connecticut	PH-0232
Idaho	CO00078
Tennessee	2976
Kentucky	90137
L-A-B (DoD ELAP/ISO 17025)	L2257

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1110068
Client Name: NMED Hazardous Waste Bureau
Client Project Name: WQSP-6 Split
Client Project Number:
Client PO Number: 10-667-00-13453

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WQSP6-SVOA	1110068-1		WATER	05-Oct-11	9:53
WQSP6-MR8	1110068-2		WATER	05-Oct-11	10:19
WQSP6-VOA	1110068-3		WATER	05-Oct-11	10:41
Trip Blank	1110068-4		WATER	05-Oct-11	
Trip Blank (Mobile Lab)	1110068-5		WATER	05-Oct-11	9:10

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 #	1110068				
PAGE	1 of 1				
DISPOSAL	By Lab or Return to Client				

		SAMPLER	Ricardo Maestas	DATE	Oct. 05, 2011
PROJECT NAME	WQSP-6 Split	SITE ID	WIPP-WQSP6	TURNAROUND	Standard
PROJECT No.		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	NMED Haz-Waste Bureau	BILL TO COMPANY	NMED Haz-Waste Bureau		
SEND REPORT TO	Ricardo Maestas	INVOICE ATTN TO	c/o Brian Helton		
ADDRESS	2905 Rodeo Park Dr. E Bldg 1	ADDRESS	2905 Rodeo Park Dr. E Bldg 1		
CITY / STATE / ZIP	Santa Fe, NM 87505	CITY / STATE / ZIP	Santa Fe, NM 87505		
PHONE	505-476-6050	PHONE	505-476-6017		
FAX	505-476-6060	FAX	505-476-6060		
E-MAIL	ricardo.maestas@state.nm.us	E-MAIL	brian.helton@state.nm.us		

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Semi-VOA (8270)	RCRA 8 Metals	VOA (8260B)
1	WQSP6-SVOA	W	10-5-11	9:53	1	—		X		
2	WQSP6-MR8	W	10-5-11	10:19	1	HNO_3			X	
3	WQSP6-VOA	W	10-5-11	10:41	3	HCl				X
4	Trip Blank	W	N/A	N/A	1	HCl				X
5	Trip Blank (mobile lab)	W	10-5-11	9:10am	1	HCl				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: RCRA 8 Metals

1 Trip Blank arrived broken.
Sample Crew provided a trip blank obtained from mobile lab.

QC PACKAGE (check below)	
	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				
RECEIVED BY	C Trimble	C Trimble	10-6-11	0950
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

Laboratory Group - Fort Collins

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1110068

Project Manager: LS Initials: CDT Date: 10-6-11

1.	Does this project require any **special handling** in addition to standard Paragon 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.)	CDT 10-6-11	~~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 perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(N/A)	YES	NO
16.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
17.	Were the samples **shipped on ice**?		(YES)	NO
18.	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:	0							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
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.

Received 2 bottles for sample WQSP6-SVOA

sample WQSP6-MR8 received partially frozen

COC not relinquished.

If applicable, was the client contacted? (YES) / NO / NA Contact: R. Maestas Date/Time: 10/6

Project Manager Signature / Date: 10/6/11

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

Form 201r22.xls (6/1/09)

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express US Airbill 8625 3875 1041 0200 Form ID No. 1110068 **FedEx Retrieval Cop**

1 From

Date 10-5-11 Sender's FedEx Account Number 1578-0588-6

Sender's Name Ricardo Maestas Phone 505 476-6050

Company New Mexico Environment Dept. Haz-Waste Bureau

Address 2905 Rodeo Park Dr East Building 1 Dept./Floor/Suite/Room

City Santa Fe State NM ZIP 87505

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Control Phone 970 490-1511

Company ALS Laboratory Group

Recipient's Address 225 Commerce Drive

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

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Ft. Collins State CO ZIP 80524

3.6

8625 3875 1041

4a Express Package Service *Packages up to 150 lb*

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

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

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT availabl

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

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

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locati

4b Express Freight Service *Packages over 150 lb*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 30day Freight — Third business day.** Saturday Delivery NOT availab

* Call for Confirmation:

** To most locati

5 Packaging

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Oth Cooler

* Declared value limit $5

6 Special Handling Include FedEx Express in Section 3.

3 [ ] **SATURDAY Delivery** Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] **HOLD Weekday at FedEx Location** Not available for FedEx First Overnight.

31 [ ] **HOLD Saturday at FedEx Location** Available ONLY for FedEx Prior Overnight and FedEx 2Day to select locations.

14

Does this shipment contain dangerous goods? One box must be checked.

[X] No 4 [ ] Yes As per attached Shipper's Declaration. [ ] Yes Shipper's Declaration not required. 6 [ ] Dry Ice Dry ice, 9, UN 1845 — x

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No.

1 [ ] Sender Acct. No. in Section 1 will be billed. 2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Che

[redacted] 157 [redacted]

Total Packages 1 Total Weight 25 [redacted]

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

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[X] No Signature Required Package may be left without obtaining a signature for delivery. 10 [ ] Direct Signature Someone at recipient's address may sign for delivery. *Fee applies.* 34 [ ] Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

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ALS Environmental

Metals

Case Narrative

NMED Hazardous Waste Bureau

WQSP-6 Split

Work Order Number: 1110068

1. This report consists of 1 water sample.

2. The sample was received cool and intact by ALS on 10/06/11.

3. The sample had a pH less than 2 upon receipt.

4. The sample was prepared and analyzed based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP, the sample was digested following method 3005A and SOP 806 Rev. 15.

   For analysis by Cold Vapor AA (CVAA), the sample was digested following method 7470A and SOP 812 Rev. 15.

5. Analysis by Trace ICP followed method 6010B and SOP 834 Rev. 8.

   Analysis by CVAA followed method 7470A and SOP 812 Rev. 15.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.

7. The sample was prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.

- A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch.
- The preparation (method) blank associated with each digestion batch was below the reporting limits for the requested analytes.
- All laboratory control sample criteria were met.
- All initial and continuing calibration blanks were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications were within the acceptance criteria for the requested analytes.
- The interference check samples and high standard readbacks associated with Method 6010B were within acceptance criteria.

9. Matrix specific quality control procedures.

   Per method requirements, matrix QC was performed for each 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.

10. The sample required a dilution for lead in order to overcome an unknown interference present in the undiluted analysis.

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.

Megan Johnson for
Emily Knodel
Inorganics Primary Data Reviewer

11/4/11
Date

Inorganics Final Data Reviewer

11-04-11
Date

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A "B" is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a "U" is entered. For samples, negative values are reported as non-detects ("U" flagged). For blanks, if the absolute value of the negative value is above the MDL and below the practical quantitation limit, then the result is "B" flagged.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

  * - Duplicate analysis (relative percent difference) not within control limits.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1110068
Client Name: NMED Hazardous Waste Bureau
Client Project Name: WQSP-6 Split
Client Project Number:
Client PO Number: 10-667-00-13453

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WQSP6-SVOA	1110068-1		WATER	05-Oct-11	9:53
WQSP6-MR8	1110068-2		WATER	05-Oct-11	10:19
WQSP6-VOA	1110068-3		WATER	05-Oct-11	10:41
Trip Blank	1110068-4		WATER	05-Oct-11	
Trip Blank (Mobile Lab)	1110068-5		WATER	05-Oct-11	9:10

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 # 1110068

PAGE 1 of 1

DISPOSAL: By Lab or Return to Client

PROJECT NAME	WQSP-6 Split	SAMPLER	Ricardo Maestas
PROJECT No.		SITE ID	WIPP-WQSP6
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	NMED Haz-Waste Bureau	BILL TO COMPANY	NMED Haz-Waste Bureau
SEND REPORT TO	Ricardo Maestas	INVOICE ATTN TO	c/o Brian Helton
ADDRESS	2905 Rodeo Park Dr. E Bldg 1	ADDRESS	2905 Rodeo Park Dr. E Bldg 1
CITY / STATE / ZIP	Santa Fe, NM 87505	CITY / STATE / ZIP	Santa Fe, NM 87505
PHONE	505-476-6050	PHONE	505-476-6017
FAX	505-476-6060	FAX	505 476-6060
E-MAIL	ricardo.maestas@state.nm.us	E-MAIL	brian.helton@state.nm.us

DATE: Oct. 05, 2011

TURNAROUND: Standard

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Sem.-VOA (8270)	RCRA 8 Metals	VOA (8260B)
1	WQSP6-SVOA	W	10-5-11	9:53	1	—		X		
2	WQSP6-MR8	W	10-5-11	10:19	1	HNO_3			X	
3	WQSP6-VOA	W	10-5-11	10:41	3	HCl				X
4	Trip Blank	W	N/A	N/A	1	HCl				X
5	Trip Blank (mobile lab)	W	10-5-11	9:10am	1	HCl				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: RCRA 8 Metals

1 Trip Blank arrived broken.
Sampling Crew provided a trip blank obtained from mobile lab.

QC PACKAGE (check below)	
	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				
RECEIVED BY	C Trimble	C Trimble	10-6-11	0950
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Laboratory Group - Fort Collins

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1110068

Project Manager: LS Initials: CDT Date: 10-6-11

1.	Does this project require any **special handling** in addition to standard Paragon 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.)	CDT 10-6-11	~~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 perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(N/A)	YES	NO
16.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
17.	Were the samples **shipped on ice**?		(YES)	NO
18.	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: 0

DOT Survey/ Acceptance Information

External µR/hr reading: 14

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.

Received 2 bottles for sample WQSP6-SVOA

sample WQSP6-MR8 received partially frozen

COC not relinquished.

If applicable, was the client contacted? (YES) / NO / NA Contact: R. Maestas Date/Time: 10/6

Project Manager Signature / Date: 10/6/11

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

Form 201r22.xls (6/1/09)

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express US Airbill 8625 3875 1041 0200 Form ID No. 1110068 **FedEx Retrieval Cop**

1 From
Date 10-5-11 Sender's FedEx Account Number 1578-0588-6
Sender's Name Ricardo Minestas Phone 505 476-6050
Company New Mexico Environment Dept. Haz-Waste Bureau
Address 2905 Rodeo Park Dr East Building 1 Dept./Floor/Suite/Room
City Santa Fe State NM ZIP 87505

2 Your Internal Billing Reference

3 To
Recipient's Name Sample Control Phone 970 490-1511
Company ALS Laboratory Group
Recipient's Address 225 Commerce Drive Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
To request a package be held at a specific FedEx location, print FedEx address here.
City Ft. Collins State CO ZIP 80524

3.6

8625 3875 1041

4a Express Package Service *Packages up to 150 lb*
1 [X] FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
5 [ ] FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.
6 [ ] FedEx First Overnight Earliest next business morning delivery to select locations.* Saturday Delivery NOT availab
3 [ ] FedEx 2Day Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
20 [ ] FedEx Express Saver Third business day.* Saturday Delivery NOT available
FedEx Envelope rate not available. Minimum charge: One-pound rate.
* To most locati

4b Express Freight Service *Packages over 150 lb*
7 [ ] FedEx 1Day Freight* Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
8 [ ] FedEx 2Day Freight Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
83 [ ] FedEx 3Day Freight Third business day.** Saturday Delivery NOT availab
* Call for Confirmation.
** To most locati

5 Packaging
6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Oth Cooler
* Declared value limit $5

6 Special Handling Include Fed ses in Section 3.
3 [ ] SATURDAY Delivery Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
1 [ ] HOLD Weekd at FedEx Locat Not available for FedEx First Overnight.
31 [ ] HOLD Saturday at FedEx Location Available ONLY for FedEx Prior Overnight and FedEx 2Day to select locations.
Does this shipment contain dangerous goods? One box must be checked.
[X] No 4 [ ] Yes As per attached Shipper's Declaration. [ ] Yes Shipper's Declaration not required. 6 [ ] Dry Ice Dry ice, 9, UN 1845 x
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

14

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]
1 [ ] Sender Acct. No. in Section 1 will be billed. 2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Che
[redacted] 157 [redacted]
Total Packages 1 Total Weight 25 [redacted]
†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details. Credit Card Auth.

6

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
[X] No Signature Required Package may be left without obtaining a signature for delivery.
10 [ ] Direct Signature Someone at recipient's address may sign for delivery. *Fee applies.*
34 [ ] Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

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Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-MR8
Lab ID: 1110068-2

Analysis ReqCode: 205

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 19-Oct-11
Date Analyzed: 24-Oct-11
Prep Method: SW3005 Rev A

Prep Batch: IP111019-1
QCBatchID: IP111019-1-1
Run ID: IT111024-2A2
Cleanup: NONE
Basis: As Received
File Name: 111024A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.0042	0.01	0.0026	B	
7440-39-3	BARIUM	1	0.0076	0.1	0.0017	B	
7440-43-9	CADMIUM	1	0.0008	0.005	0.0008	U	
7440-47-3	CHROMIUM	1	0.0018	0.01	0.0018	U	
7439-92-1	LEAD	5	0.01	0.015	0.01	U	
7782-49-2	SELENIUM	1	0.0022	0.005	0.0022	U	
7440-22-4	SILVER	1	0.0016	0.01	0.0016	U	

Data Package ID: *IT1110068-1*

Total Mercury

Method SW7470A

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-MR8
Lab ID: 1110068-2

Analysis ReqCode: 205

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 12-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: METHOD

Prep Batch: HG111013-1
QCBatchID: HG111013-1-1
Run ID: HG111013-2A3
Cleanup: NONE
Basis: As Received
File Name: HG111013-1

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.00006	0.0002	0.00006	U	

Data Package ID: *HG1110068-1*

ICP Metals

Method SW6010B
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: IP111019-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 19-Oct-11
Date Analyzed: 24-Oct-11

Prep Batch: IP111019-1
QCBatchID: IP111019-1-1
Run ID: IT111024-2A2
Cleanup: NONE
Basis: N/A
File Name: 111024A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	-0.0027	0.01	0.0026	B	
7440-39-3	BARIUM	1	0.0017	0.1	0.0017	U	
7440-43-9	CADMIUM	1	-0.0008	0.005	0.0008	B	
7440-47-3	CHROMIUM	1	0.0018	0.01	0.0018	U	
7439-92-1	LEAD	1	0.0021	0.003	0.0021	U	
7782-49-2	SELENIUM	1	0.0022	0.005	0.0022	U	
7440-22-4	SILVER	1	0.0016	0.01	0.0016	U	

Data Package ID: *IT1110068-1*

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: IP111019-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/19/2011
Date Analyzed: 10/24/2011
Prep Method: SW3005A

Prep Batch: IP111019-1
QCBatchID: IP111019-1-1
Run ID: IT111024-2A2
Cleanup: NONE
Basis: N/A
File Name: 111024A.

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	2	1.96	0.01		98	80 - 120%
7440-39-3	BARIUM	2	1.91	0.1		95	80 - 120%
7440-43-9	CADMIUM	0.05	0.0474	0.005		95	80 - 120%
7440-47-3	CHROMIUM	0.2	0.188	0.01		94	80 - 120%
7439-92-1	LEAD	0.5	0.464	0.003		93	80 - 120%
7782-49-2	SELENIUM	2	2.02	0.005		101	80 - 120%
7440-22-4	SILVER	0.1	0.0905	0.01		90	80 - 120%

Data Package ID: *IT1110068-1*

Mercury

Method SW7470A

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: HG111013-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: HG111013-1
QCBatchID: HG111013-1-1
Run ID: HG111013-2A3
Cleanup: NONE
Basis: N/A
File Name: HG111013-1

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.00006	0.0002	0.00006	U	

Data Package ID: *HG1110068-1*

Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: HG111013-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/12/2011
Date Analyzed: 10/13/2011
Prep Method: METHOD

Prep Batch: HG111013-1
QCBatchID: HG111013-1-1
Run ID: HG111013-2A3
Cleanup: NONE
Basis: N/A
File Name: HG111013-1

Sample Aliquot: 20 g
Final Volume: 20 g
Result Units: MG/L
Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.001	0.00101	0.0002		101	80 - 120%

Data Package ID: *HG1110068-1*

ALS Environmental

GC/MS Volatiles

Case Narrative

NMED Hazardous Waste Bureau

WQSP-6 Split

Work Order Number: 1110068

1. This report consists of 2 water samples. The samples were received cool and intact by ALS on 10/06/11.

   The vial for sample 1110068-4 contained headspace prior to analysis because a previous aliquot was removed from the vials for analysis.

   All samples had a pH < 2 at the time of analysis.

2. These samples were prepared according to SW-846, 3rd Edition procedures.

   The water samples were prepared using purge and trap procedures based on Method 5030C.

3. The samples were analyzed using GC/MS with an RTX-624, RTX-VMS, or equivalent capillary column according to SOP 525 Revision 15 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% with the exception of 1,2,3-trichlorobenzene which was high. This compound was not detected in the associated samples.

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.

The method blank had methylene chloride detected below the reporting limit. This compound was detected in the associated samples, so the data were flagged.

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 samples were analyzed within the established holding time.

11. All surrogate recoveries were within acceptance criteria.

12. All internal standard recoveries were within acceptance criteria.

13. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 4. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

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 Hellickson — 26 Oct. 11
Emily Hellickson
Organics Primary Data Reviewer
Date

Organics Final Data Reviewer — 10/26/11
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: 1110068
Client Name: NMED Hazardous Waste Bureau
Client Project Name: WQSP-6 Split
Client Project Number:
Client PO Number: 10-667-00-13453

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WQSP6-SVOA	1110068-1		WATER	05-Oct-11	9:53
WQSP6-MR8	1110068-2		WATER	05-Oct-11	10:19
WQSP6-VOA	1110068-3		WATER	05-Oct-11	10:41
Trip Blank	1110068-4		WATER	05-Oct-11	
Trip Blank (Mobile Lab)	1110068-5		WATER	05-Oct-11	9:10

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 #	1110068				
SAMPLER	Ricardo Maestas	DATE	Oct. 05, 2011	PAGE	1 of 1
SITE ID	WIPP-WQSP6	TURNAROUND	Standard	DISPOSAL	(By Lab) or Return to Client
EDD FORMAT					
PURCHASE ORDER					
BILL TO COMPANY	NMED Haz-Waste Bureau				
INVOICE ATTN TO	c/o Brian Helton				
ADDRESS	2905 Rodeo Park Dr. E Bldg 1				
CITY / STATE / ZIP	Santa Fe, NM 87505				
PHONE	505-476-6017				
FAX	505 476-6060				
E-MAIL	brian.helton@state.nm.us				

PROJECT NAME	WQSP-6 Split
PROJECT No.	
COMPANY NAME	NMED Haz-Waste Bureau
SEND REPORT TO	Ricardo Maestas
ADDRESS	2905 Rodeo Park Dr. E Bldg 1
CITY / STATE / ZIP	Santa Fe, NM 87505
PHONE	505-476-6050
FAX	505-476-6060
E-MAIL	ricardo.maestas@state.nm.us

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Sem.-VOA (8270)	RCRA 8 Metals	VOA (8260B)
1	WQSP6-SVOA	W	10-5-11	9:53	1	—		X		
2	WQSP6-MR8	W	10-5-11	10:19	1	HNO_3			X	
3	WQSP6-VOA	W	10-5-11	10:41	3	HCl				X
4	Trip Blank	W	N/A	N/A	1	HCl				X
5	Trip Blank (mobile lab)	W	10-5-11	9:10am	1	HCl				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: RCRA 8 Metals

1 Trip Blank arrived broken.
Sample Crew provided a trip blank obtained from mobile lab.

QC PACKAGE (check below)	
	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				
RECEIVED BY	C Trimble	C Trimble	10-6-11	0950
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Laboratory Group - Fort Collins

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1110068

Project Manager: LS Initials: CDT Date: 10-6-11

1.	Does this project require any **special handling** in addition to standard Paragon 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.)	CDT 10-6	~~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 perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(N/A)	YES	NO
16.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
17.	Were the samples **shipped on ice**?		(YES)	NO
18.	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: 0

DOT Survey/ Acceptance Information

External µR/hr reading: 14

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.

Received 2 bottles for sample WQSP6-SVOA

sample WQSP6-MR8 received partially frozen

COC not relinquished.

If applicable, was the client contacted? (YES) / NO / NA Contact: R. Maestas Date/Time: 10/6

Project Manager Signature / Date: 10/6/11

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

Form 201r22.xls (6/1/09)

FedEx Express US Airbill 8625 3875 1041 0200 Form ID No. 1110068 FedEx Retrieval Cop

1 From

Date 10-5-11 Sender's FedEx Account Number 1578-0588-6

Sender's Name Ricardo Minestas Phone 505 476-6050

Company New Mexico Environment Dept. Haz Waste Bureau

Address 2905 Rodeo Park Dr East Building 1 Dept./Floor/Suite/Room

City Santa Fe State NM ZIP 87505

2 Your Internal Billing Reference

3 To

Recipient's Name Sample Control Phone 970 490-1511

Company ALS Laboratory Group

Recipient's Address 225 Commerce Drive Dept./Floor/Suite/Room

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

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Ft. Collins State CO ZIP 80524

3.6

8625 3875 1041

4a Express Package Service *Packages up to 150 lb*

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

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

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT availab

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

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

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locati

4b Express Freight Service *Packages over 150 lb*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT availab

* Call for Confirmation: ** To most locati

5 Packaging Cooler

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Oth

* Declared value limit $5

6 Special Handling Include FedEx address in Section 3.

3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Prior Overnight and FedEx 2Day to select locations.

14

Does this shipment contain dangerous goods? One box must be checked.

[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry ice, 9, UN 1845 x [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No.

1 [ ] Sender — Acct. No. in Section 1 will be billed. 2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Che

[redacted] 157 [redacted]

Total Packages 1 Total Weight 25 [redacted]

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

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

[X] No Signature Required — Package may be left without obtaining a signature for delivery. 10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies. 34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

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GC/MS Volatiles

Method SW8260_25C

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34380

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	0.5	0.5	0.33	U	
74-87-3	CHLOROMETHANE	1	0.5	0.5	0.33	U	
75-01-4	VINYL CHLORIDE	1	0.5	0.5	0.33	U	
74-83-9	BROMOMETHANE	1	1	1	0.33	U	
75-00-3	CHLOROETHANE	1	0.5	0.5	0.33	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	0.5	0.5	0.33	U	
107-02-8	ACROLEIN	1	100	100	3.3	U	
75-35-4	1,1-DICHLOROETHENE	1	0.5	0.5	0.33	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	5	5	0.33	U	
75-15-0	CARBON DISULFIDE	1	10	10	0.33	U	
75-09-2	METHYLENE CHLORIDE	1	0.37	1	0.35	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	0.5	0.5	0.33	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.42	U	
107-13-1	ACRYLONITRILE	1	10	10	3.3	U	
75-34-3	1,1-DICHLOROETHANE	1	0.5	0.5	0.33	U	
108-05-4	VINYL ACETATE	1	10	10	0.67	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	0.5	0.5	0.33	U	
78-93-3	2-BUTANONE	1	5	5	3.3	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.33	U	
67-66-3	CHLOROFORM	1	0.5	0.5	0.33	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.33	U	
594-20-7	2,2-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
56-23-5	CARBON TETRACHLORIDE	1	0.5	0.5	0.33	U	
563-58-6	1,1-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
107-06-2	1,2-DICHLOROETHANE	1	0.5	0.5	0.33	U	
71-43-2	BENZENE	1	0.5	0.5	0.33	U	
79-01-6	TRICHLOROETHENE	1	0.5	0.5	0.33	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34380

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
78-87-5	1,2-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
74-95-3	DIBROMOMETHANE	1	0.5	0.5	0.33	U	
75-27-4	BROMODICHLOROMETHANE	1	0.5	0.5	0.33	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
108-10-1	4-METHYL-2-PENTANONE	1	5	5	3.3	U	
108-88-3	TOLUENE	1	0.5	0.5	0.33	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	0.5	0.5	0.33	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	0.5	0.5	0.33	U	
142-28-9	1,3-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.33	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.33	U	
108-90-7	CHLOROBENZENE	1	0.5	0.5	0.33	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	0.5	0.5	0.33	U	
100-41-4	ETHYLBENZENE	1	0.5	0.5	0.33	U	
136777-61-2	M+P-XYLENE	1	1	1	0.44	U	
95-47-6	O-XYLENE	1	0.5	0.5	0.33	U	
100-42-5	STYRENE	1	0.5	0.5	0.33	U	
75-25-2	BROMOFORM	1	0.5	0.5	0.33	U	
98-82-8	ISOPROPYLBENZENE	1	0.5	0.5	0.33	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	2	2	0.33	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	0.5	0.5	0.34	U	
108-86-1	BROMOBENZENE	1	0.5	0.5	0.33	U	
103-65-1	N-PROPYLBENZENE	1	0.5	0.5	0.33	U	
95-49-8	2-CHLOROTOLUENE	1	0.5	0.5	0.33	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	0.5	0.5	0.33	U	
106-43-4	4-CHLOROTOLUENE	1	0.5	0.5	0.33	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34380

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
98-06-6	TERT-BUTYLBENZENE	1	0.5	0.5	0.33	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	0.5	0.5	0.33	U	
135-98-8	SEC-BUTYLBENZENE	1	0.5	0.5	0.33	U	
541-73-1	1,3-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
99-87-6	P-ISOPROPYLTOLUENE	1	0.5	0.5	0.33	U	
106-46-7	1,4-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
104-51-8	N-BUTYLBENZENE	1	0.5	0.5	0.33	U	
95-50-1	1,2-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.67	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	0.5	0.5	0.33	U	
87-68-3	HEXACHLOROBUTADIENE	1	0.5	0.5	0.33	U	
91-20-3	NAPHTHALENE	1	0.5	0.5	0.33	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	0.5	0.5	0.33	U	
75-05-8	ACETONITRILE	1	50	50	17	U	
107-05-1	ALLYL CHLORIDE	1	50	50	0.33	U	
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	1	5	5	1.7	U	
64-17-5	ETHANOL	1	200	200	67	U	
97-63-2	ETHYL METHACRYLATE	1	5	5	0.33	U	
78-83-1	ISOBUTYL ALCOHOL	1	100	100	33	U	
126-98-7	METHACRYLONITRILE	1	35	35	3.3	U	
80-62-6	METHYL METHACRYLATE	1	5	5	1.7	U	
107-12-0	PROPIONITRILE	1	25	25	3.3	U	
126-99-8	CHLOROPRENE	1	5	5	0.33	U	
75-65-0	TERT-BUTANOL	1	100	100	67	U	
108-20-3	ISOPROPYL ETHER	1	2	2	0.67	U	
637-92-3	ETHYL TERT-BUTYL ETHER	1	2	2	0.67	U	
994-05-8	TERT-AMYL METHYL ETHER	1	2	2	0.67	U	
67-72-1	HEXACHLOROETHANE	1	2	2	0.67	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34380

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	24.6		25	98	82 - 121
1868-53-7	DIBROMOFLUOROMETHANE	25		25	100	80 - 123
2037-26-5	TOLUENE-D8	24.8		25	99	85 - 116

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25

Tentatively Identified Compounds

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID:
Lab ID: VL111013-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Clean DF: 1
File Name: D34380

CASNO	Retention Time	Target Analyte	Dilution Factor	Result	Units	Qualifier
		NONE DETECTED	1			U

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-VOA
Lab ID: 1110068-3

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34386

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	0.5	0.5	0.33	U	
74-87-3	CHLOROMETHANE	1	0.5	0.5	0.33	U	
75-01-4	VINYL CHLORIDE	1	0.5	0.5	0.33	U	
74-83-9	BROMOMETHANE	1	1	1	0.33	U	
75-00-3	CHLOROETHANE	1	0.5	0.5	0.33	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	0.5	0.5	0.33	U	
107-02-8	ACROLEIN	1	100	100	3.3	U	
75-35-4	1,1-DICHLOROETHENE	1	0.5	0.5	0.33	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	5	5	0.33	U	
75-15-0	CARBON DISULFIDE	1	10	10	0.33	U	
75-09-2	METHYLENE CHLORIDE	1	1	1	0.35	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	0.5	0.5	0.33	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.42	U	
107-13-1	ACRYLONITRILE	1	10	10	3.3	U	
75-34-3	1,1-DICHLOROETHANE	1	0.5	0.5	0.33	U	
108-05-4	VINYL ACETATE	1	10	10	0.67	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	0.5	0.5	0.33	U	
78-93-3	2-BUTANONE	1	5	5	3.3	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.33	U	
67-66-3	CHLOROFORM	1	0.5	0.5	0.33	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.33	U	
594-20-7	2,2-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
56-23-5	CARBON TETRACHLORIDE	1	0.5	0.5	0.33	U	
563-58-6	1,1-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
107-06-2	1,2-DICHLOROETHANE	1	0.5	0.5	0.33	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-VOA
Lab ID: 1110068-3

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34386

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1	0.5	0.5	0.33	U	
79-01-6	TRICHLOROETHENE	1	0.5	0.5	0.33	U	
78-87-5	1,2-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
74-95-3	DIBROMOMETHANE	1	0.5	0.5	0.33	U	
75-27-4	BROMODICHLOROMETHANE	1	0.5	0.5	0.33	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
108-10-1	4-METHYL-2-PENTANONE	1	5	5	3.3	U	
108-88-3	TOLUENE	1	0.5	0.5	0.33	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	0.5	0.5	0.33	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	0.5	0.5	0.33	U	
142-28-9	1,3-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.33	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.33	U	
108-90-7	CHLOROBENZENE	1	0.5	0.5	0.33	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	0.5	0.5	0.33	U	
100-41-4	ETHYLBENZENE	1	0.5	0.5	0.33	U	
136777-61-2	M+P-XYLENE	1	1	1	0.44	U	
95-47-6	O-XYLENE	1	0.5	0.5	0.33	U	
100-42-5	STYRENE	1	0.5	0.5	0.33	U	
75-25-2	BROMOFORM	1	0.5	0.5	0.33	U	
98-82-8	ISOPROPYLBENZENE	1	0.5	0.5	0.33	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	2	2	0.33	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	0.5	0.5	0.34	U	
108-86-1	BROMOBENZENE	1	0.5	0.5	0.33	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-VOA
Lab ID: 1110068-3

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34386

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
103-65-1	N-PROPYLBENZENE	1	0.5	0.5	0.33	U	
95-49-8	2-CHLOROTOLUENE	1	0.5	0.5	0.33	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	0.5	0.5	0.33	U	
106-43-4	4-CHLOROTOLUENE	1	0.5	0.5	0.33	U	
98-06-6	TERT-BUTYLBENZENE	1	0.5	0.5	0.33	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	0.5	0.5	0.33	U	
135-98-8	SEC-BUTYLBENZENE	1	0.5	0.5	0.33	U	
541-73-1	1,3-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
99-87-6	P-ISOPROPYLTOLUENE	1	0.5	0.5	0.33	U	
106-46-7	1,4-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
104-51-8	N-BUTYLBENZENE	1	0.5	0.5	0.33	U	
95-50-1	1,2-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.67	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	0.5	0.5	0.33	U	
87-68-3	HEXACHLOROBUTADIENE	1	0.5	0.5	0.33	U	
91-20-3	NAPHTHALENE	1	0.5	0.5	0.33	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	0.5	0.5	0.33	U	
75-05-8	ACETONITRILE	1	50	50	17	U	
107-05-1	ALLYL CHLORIDE	1	50	50	0.33	U	
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	1	5	5	1.7	U	
64-17-5	ETHANOL	1	200	200	67	U	
97-63-2	ETHYL METHACRYLATE	1	5	5	0.33	U	
78-83-1	ISOBUTYL ALCOHOL	1	100	100	33	U	
126-98-7	METHACRYLONITRILE	1	35	35	3.3	U	
80-62-6	METHYL METHACRYLATE	1	5	5	1.7	U	
107-12-0	PROPIONITRILE	1	25	25	3.3	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-VOA
Lab ID: 1110068-3

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34386

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
126-99-8	CHLOROPRENE	1	5	5	0.33	U	
75-65-0	TERT-BUTANOL	1	100	100	67	U	
108-20-3	ISOPROPYL ETHER	1	2	2	0.67	U	
637-92-3	ETHYL TERT-BUTYL ETHER	1	2	2	0.67	U	
994-05-8	TERT-AMYL METHYL ETHER	1	2	2	0.67	U	
67-72-1	HEXACHLOROETHANE	1	2	2	0.67	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	24.2		25	97	82 - 121
1868-53-7	DIBROMOFLUOROMETHANE	26.1		25	104	80 - 123
2037-26-5	TOLUENE-D8	24.7		25	99	85 - 116

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25

Tentatively Identified Compounds

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-VOA
Lab ID: 1110068-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Clean DF: 1
File Name: D34386

CASNO	Retention Time	Target Analyte	Dilution Factor	Result	Units	Qualifier
420-56-4	2.53	FLUOROTRIMETHYL-SILANE	1	5.8	UG/L	J
	7.47	SILANOOL, TRIMETHYL-	1	1.3	UG/L	J

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: Trip Blank
Lab ID: 1110068-4

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34387

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	0.5	0.5	0.33	U	
74-87-3	CHLOROMETHANE	1	0.5	0.5	0.33	U	
75-01-4	VINYL CHLORIDE	1	0.5	0.5	0.33	U	
74-83-9	BROMOMETHANE	1	1	1	0.33	U	
75-00-3	CHLOROETHANE	1	0.5	0.5	0.33	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	0.5	0.5	0.33	U	
107-02-8	ACROLEIN	1	100	100	3.3	U	
75-35-4	1,1-DICHLOROETHENE	1	0.5	0.5	0.33	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	5	5	0.33	U	
75-15-0	CARBON DISULFIDE	1	10	10	0.33	U	
75-09-2	METHYLENE CHLORIDE	1	0.82	1	0.35	B,J	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	0.5	0.5	0.33	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.42	U	
107-13-1	ACRYLONITRILE	1	10	10	3.3	U	
75-34-3	1,1-DICHLOROETHANE	1	0.5	0.5	0.33	U	
108-05-4	VINYL ACETATE	1	10	10	0.67	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	0.5	0.5	0.33	U	
78-93-3	2-BUTANONE	1	5	5	3.3	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.33	U	
67-66-3	CHLOROFORM	1	0.5	0.5	0.33	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.33	U	
594-20-7	2,2-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
56-23-5	CARBON TETRACHLORIDE	1	0.5	0.5	0.33	U	
563-58-6	1,1-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
107-06-2	1,2-DICHLOROETHANE	1	0.5	0.5	0.33	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: Trip Blank
Lab ID: 1110068-4

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34387

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1	0.5	0.5	0.33	U	
79-01-6	TRICHLOROETHENE	1	0.5	0.5	0.33	U	
78-87-5	1,2-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
74-95-3	DIBROMOMETHANE	1	0.5	0.5	0.33	U	
75-27-4	BROMODICHLOROMETHANE	1	0.5	0.5	0.33	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
108-10-1	4-METHYL-2-PENTANONE	1	5	5	3.3	U	
108-88-3	TOLUENE	1	0.5	0.5	0.33	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	0.5	0.5	0.33	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	0.5	0.5	0.33	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	0.5	0.5	0.33	U	
142-28-9	1,3-DICHLOROPROPANE	1	0.5	0.5	0.33	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.33	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.33	U	
108-90-7	CHLOROBENZENE	1	0.5	0.5	0.33	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	0.5	0.5	0.33	U	
100-41-4	ETHYLBENZENE	1	0.5	0.5	0.33	U	
136777-61-2	M+P-XYLENE	1	1	1	0.44	U	
95-47-6	O-XYLENE	1	0.5	0.5	0.33	U	
100-42-5	STYRENE	1	0.5	0.5	0.33	U	
75-25-2	BROMOFORM	1	0.5	0.5	0.33	U	
98-82-8	ISOPROPYLBENZENE	1	0.5	0.5	0.33	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	2	2	0.33	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	0.5	0.5	0.34	U	
108-86-1	BROMOBENZENE	1	0.5	0.5	0.33	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: Trip Blank
Lab ID: 1110068-4

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34387

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
103-65-1	N-PROPYLBENZENE	1	0.5	0.5	0.33	U	
95-49-8	2-CHLOROTOLUENE	1	0.5	0.5	0.33	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	0.5	0.5	0.33	U	
106-43-4	4-CHLOROTOLUENE	1	0.5	0.5	0.33	U	
98-06-6	TERT-BUTYLBENZENE	1	0.5	0.5	0.33	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	0.5	0.5	0.33	U	
135-98-8	SEC-BUTYLBENZENE	1	0.5	0.5	0.33	U	
541-73-1	1,3-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
99-87-6	P-ISOPROPYLTOLUENE	1	0.5	0.5	0.33	U	
106-46-7	1,4-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
104-51-8	N-BUTYLBENZENE	1	0.5	0.5	0.33	U	
95-50-1	1,2-DICHLOROBENZENE	1	0.5	0.5	0.33	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.67	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	0.5	0.5	0.33	U	
87-68-3	HEXACHLOROBUTADIENE	1	0.5	0.5	0.33	U	
91-20-3	NAPHTHALENE	1	0.5	0.5	0.33	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	0.5	0.5	0.33	U	
75-05-8	ACETONITRILE	1	50	50	17	U	
107-05-1	ALLYL CHLORIDE	1	50	50	0.33	U	
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	1	5	5	1.7	U	
64-17-5	ETHANOL	1	200	200	67	U	
97-63-2	ETHYL METHACRYLATE	1	5	5	0.33	U	
78-83-1	ISOBUTYL ALCOHOL	1	100	100	33	U	
126-98-7	METHACRYLONITRILE	1	35	35	3.3	U	
80-62-6	METHYL METHACRYLATE	1	5	5	1.7	U	
107-12-0	PROPIONITRILE	1	25	25	3.3	U	

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: Trip Blank
Lab ID: 1110068-4

Analysis ReqCode: 104

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11
Prep Method: SW5030 Rev C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received
File Name: D34387

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
126-99-8	CHLOROPRENE	1	5	5	0.33	U	
75-65-0	TERT-BUTANOL	1	100	100	67	U	
108-20-3	ISOPROPYL ETHER	1	2	2	0.67	U	
637-92-3	ETHYL TERT-BUTYL ETHER	1	2	2	0.67	U	
994-05-8	TERT-AMYL METHYL ETHER	1	2	2	0.67	U	
67-72-1	HEXACHLOROETHANE	1	2	2	0.67	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	25		25	100	82 - 121
1868-53-7	DIBROMOFLUOROMETHANE	25.2		25	101	80 - 123
2037-26-5	TOLUENE-D8	25.3		25	101	85 - 116

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25

Tentatively Identified Compounds

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: Trip Blank
Lab ID: 1110068-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 13-Oct-11
Date Analyzed: 13-Oct-11

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Clean DF: 1
File Name: D34387

CASNO	Retention Time	Target Analyte	Dilution Factor	Result	Units	Qualifier
		NONE DETECTED	1			U

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/13/2011
Date Analyzed: 10/13/2011
Prep Method: SW5030C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34377

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
74-87-3	CHLOROMETHANE	10	10.5	0.5		105	49 - 129%
75-01-4	VINYL CHLORIDE	10	9.66	0.5		97	46 - 134%
74-83-9	BROMOMETHANE	10	10.1	1		101	32 - 121%
75-69-4	TRICHLOROFLUOROMETHANE	10	10.1	0.5		101	67 - 152%
75-35-4	1,1-DICHLOROETHENE	10	9.33	0.5		93	61 - 135%
75-15-0	CARBON DISULFIDE	10	9.22	10	J	92	61 - 140%
156-60-5	TRANS-1,2-DICHLOROETHENE	10	9.66	0.5		97	70 - 122%
75-34-3	1,1-DICHLOROETHANE	10	9.82	0.5		98	76 - 119%
108-05-4	VINYL ACETATE	10	9.9	10	J	99	62 - 182%
156-59-2	CIS-1,2-DICHLOROETHENE	10	9.68	0.5		97	75 - 126%
78-93-3	2-BUTANONE	40	37.9	5		95	61 - 137%
67-66-3	CHLOROFORM	10	9.89	0.5		99	79 - 120%
71-55-6	1,1,1-TRICHLOROETHANE	10	9.9	1		99	76 - 114%
56-23-5	CARBON TETRACHLORIDE	10	9.69	0.5		97	58 - 135%
107-06-2	1,2-DICHLOROETHANE	10	10.1	0.5		101	75 - 132%
71-43-2	BENZENE	10	9.94	0.5		99	70 - 125%
79-01-6	TRICHLOROETHENE	10	9.31	0.5		93	74 - 121%
78-87-5	1,2-DICHLOROPROPANE	10	10.1	0.5		101	81 - 119%
75-27-4	BROMODICHLOROMETHANE	10	10	0.5		100	79 - 123%
108-88-3	TOLUENE	10	9.82	0.5		98	76 - 120%
79-00-5	1,1,2-TRICHLOROETHANE	10	10.5	0.5		105	81 - 126%
591-78-6	2-HEXANONE	40	45.5	10		114	45 - 168%
127-18-4	TETRACHLOROETHENE	10	9.3	0.5		93	56 - 128%
106-93-4	1,2-DIBROMOETHANE	10	10.4	1		104	79 - 123%
108-90-7	CHLOROBENZENE	10	10.3	0.5		103	75 - 120%
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	10.6	0.5		106	82 - 123%

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/13/2011
Date Analyzed: 10/13/2011
Prep Method: SW5030C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34377

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
100-41-4	ETHYLBENZENE	10	10.4	0.5		104	79 - 114%
136777-61-2	M+P-XYLENE	20	21.5	1		108	81 - 115%
95-47-6	O-XYLENE	10	10.6	0.5		106	81 - 115%
95-49-8	2-CHLOROTOLUENE	10	10.4	0.5		104	80 - 128%
541-73-1	1,3-DICHLOROBENZENE	10	10.7	0.5		107	81 - 116%
106-46-7	1,4-DICHLOROBENZENE	10	10.3	0.5		103	81 - 119%
95-50-1	1,2-DICHLOROBENZENE	10	10.8	0.5		108	79 - 116%
91-20-3	NAPHTHALENE	10	11.5	0.5		115	69 - 126%
87-61-6	1,2,3-TRICHLOROBENZENE	10	12	0.5		120	60 - 137%

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/13/2011
Date Analyzed: 10/13/2011
Prep Method: SW5030C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34378

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

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
74-87-3	CHLOROMETHANE	10	10.2	0.5		102	30	3
75-01-4	VINYL CHLORIDE	10	9.5	0.5		95	25	2
74-83-9	BROMOMETHANE	10	9.68	1		97	25	4
75-69-4	TRICHLOROFLUOROMETHANE	10	9.99	0.5		100	22	1
75-35-4	1,1-DICHLOROETHENE	10	9.07	0.5		91	18	3
75-15-0	CARBON DISULFIDE	10	8.91	10	J	89	20	3
156-60-5	TRANS-1,2-DICHLOROETHENE	10	9.79	0.5		98	25	1
75-34-3	1,1-DICHLOROETHANE	10	9.78	0.5		98	25	0
108-05-4	VINYL ACETATE	10	10.9	10		109	20	9
156-59-2	CIS-1,2-DICHLOROETHENE	10	9.63	0.5		96	25	1
78-93-3	2-BUTANONE	40	37.7	5		94	30	1
67-66-3	CHLOROFORM	10	9.57	0.5		96	25	3
71-55-6	1,1,1-TRICHLOROETHANE	10	9.74	1		97	25	2
56-23-5	CARBON TETRACHLORIDE	10	9.55	0.5		95	25	2
107-06-2	1,2-DICHLOROETHANE	10	9.66	0.5		97	25	4
71-43-2	BENZENE	10	9.83	0.5		98	10	1
79-01-6	TRICHLOROETHENE	10	9.37	0.5		94	10	1
78-87-5	1,2-DICHLOROPROPANE	10	9.86	0.5		99	25	2
75-27-4	BROMODICHLOROMETHANE	10	9.78	0.5		98	25	2
108-88-3	TOLUENE	10	9.76	0.5		98	9	1
79-00-5	1,1,2-TRICHLOROETHANE	10	10.2	0.5		102	25	2
591-78-6	2-HEXANONE	40	43.9	10		110	20	4
127-18-4	TETRACHLOROETHENE	10	9.14	0.5		91	25	2
106-93-4	1,2-DIBROMOETHANE	10	10	1		100	15	3
108-90-7	CHLOROBENZENE	10	9.97	0.5		100	11	3
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	10.4	0.5		104	15	2
100-41-4	ETHYLBENZENE	10	10.1	0.5		101	25	2

Data Package ID: *VL1110068-1*

GC/MS Volatiles

Method SW8260_25C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: VL111013-4LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/13/2011
Date Analyzed: 10/13/2011
Prep Method: SW5030C

Prep Batch: VL111013-4
QCBatchID: VL111013-4-3
Run ID: VL111013-4A
Cleanup: NONE
Basis: N/A
File Name: D34378

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

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
136777-61-2	M+P-XYLENE	20	20.9	1		104	25	3
95-47-6	O-XYLENE	10	10.3	0.5		103	25	3
95-49-8	2-CHLOROTOLUENE	10	10.1	0.5		101	15	3
541-73-1	1,3-DICHLOROBENZENE	10	10.3	0.5		103	25	4
106-46-7	1,4-DICHLOROBENZENE	10	9.76	0.5		98	25	5
95-50-1	1,2-DICHLOROBENZENE	10	10.2	0.5		102	25	6
91-20-3	NAPHTHALENE	10	11.1	0.5		111	24	4
87-61-6	1,2,3-TRICHLOROBENZENE	10	11.7	0.5		117	33	2

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	98		98		82 - 121
1868-53-7	DIBROMOFLUOROMETHANE	25	97		98		80 - 123
2037-26-5	TOLUENE-D8	25	100		100		85 - 116

Data Package ID: *VL1110068-1*

Quant ation Report (Not Review

Data Path : C:\msdchem\1\DATA\101311\
Data File : D34388.D
Acq On : 13 Oct 2011 21:07
Operator : sdw-sop525r15
Sample : 1110068-5
Misc : UN-Heated Purge
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 14 10:01:25 2011
Quant Method : C:\msdchem\1\METHODS\100511W.M
Quant Title :
QLast Update : Wed Oct 12 07:54:24 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	9.048	96	1416804	25.00 ppb	0.00
57) Chlorobenzene-d5	11.994	117	1022076	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-d4	13.939	152	458088	25.00 ppb	0.00
System Monitoring Compounds					
37) Dibromofluoromethane	8.238	113	386020	25.67 ppb	0.00
Spiked Amount 25.000	Range 85 - 115		Recovery	= 102.68%	
39) 1,2-Dichloroethane-d4	8.663	67	208239	25.82 ppb	0.00
Spiked Amount 25.000	Range 85 - 115		Recovery	= 103.28%	
61) Toluene-d8	10.688	98	1365538	24.78 ppb	0.00
Spiked Amount 25.000	Range 85 - 115		Recovery	= 99.12%	
79) 4-Bromofluorobenzene	12.997	176	366284	24.81 ppb	0.00
Spiked Amount 25.000	Range 85 - 115		Recovery	= 99.24%	
Target Compounds					Qvalue
11) Acetone	4.278	58	1555	Below Cal	56
34) Chloroform	8.025	83	42227	1.32 ppb	97
51) Bromodichloromethane	10.010	83	28130	1.23 ppb #	96
66) Dibromochloromethane	11.488	129	6020	0.39 ppb	100

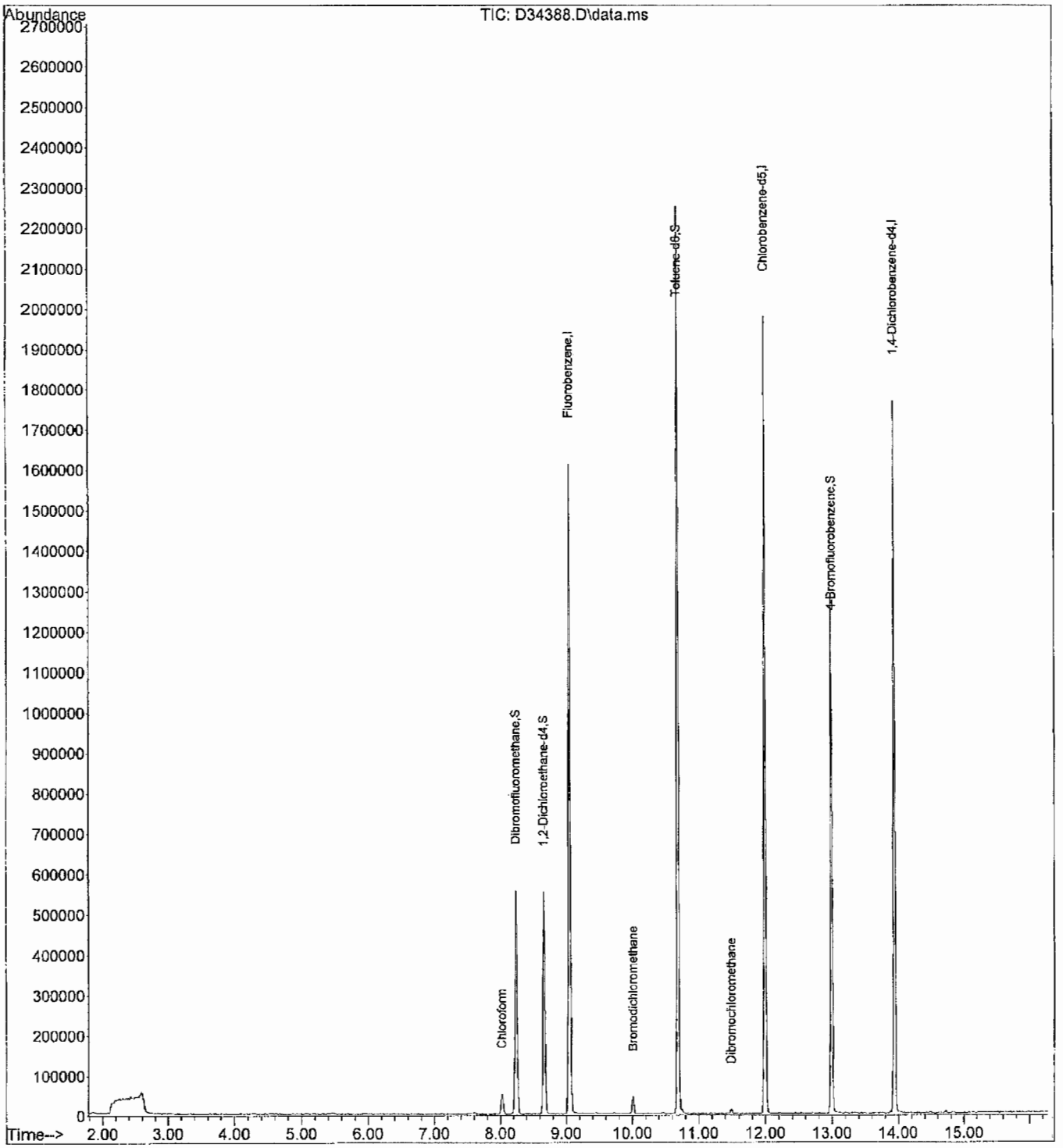
(#) = qualifier out of range (m) = manual integration (+) = signals summed

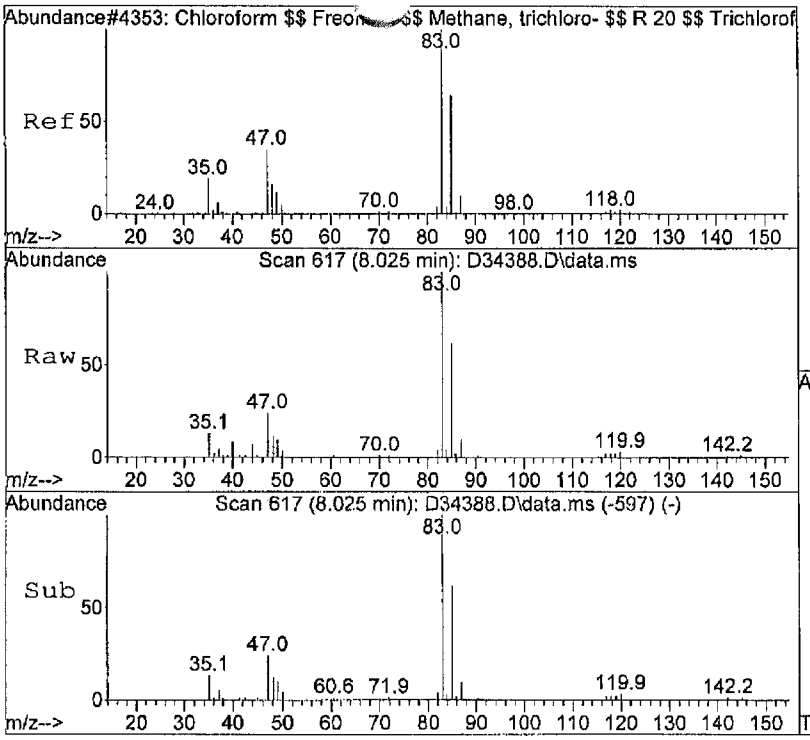
SW 10/20/11

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101311\
Data File : D34388.D
Acq On : 13 Oct 2011 21:07
Operator : sdw-sop525r15
Sample : 1110068-5
Misc : UN-Heated Purge
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 14 10:01:25 2011
Quant Method : C:\msdchem\1\METHODS\100511W.M
Quant Title :
QLast Update : Wed Oct 12 07:54:24 2011
Response via : Initial Calibration

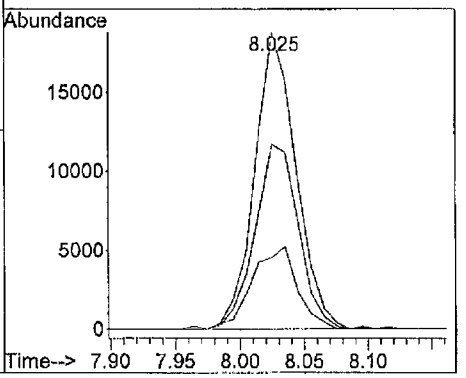


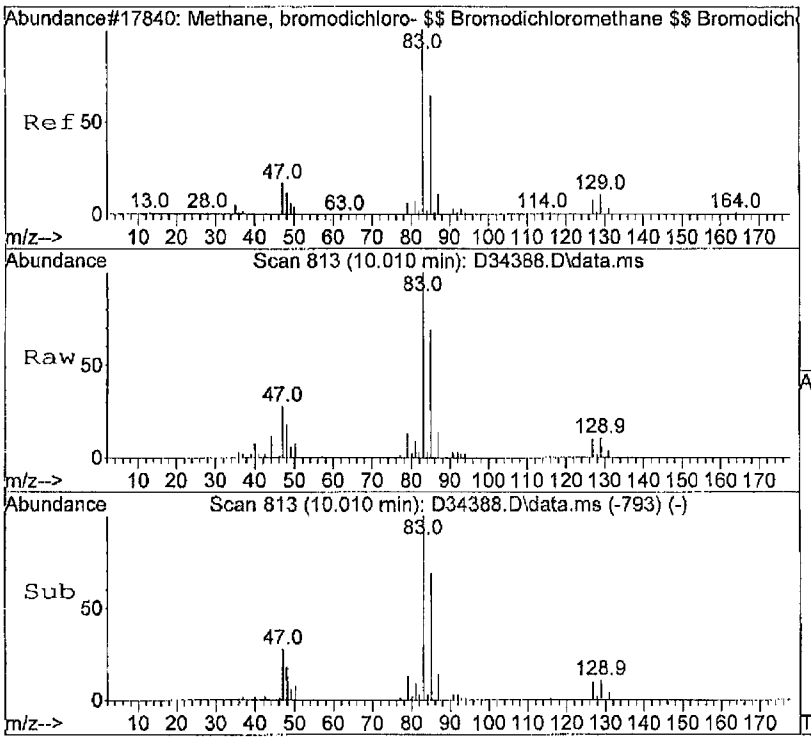


#34
Chloroform
Concen: 1.32 ppb
RT: 8.025 min Scan# 617
Delta R.T. 0.000 min
Lab File: D34388.D
Acq: 13 Oct 11 9:07 pm

Tgt Ion: 83 Resp: 42227

Ion	Ratio	Lower	Upper
83	100		
85	62.4	44.9	83.3
47	23.4	18.6	34.6

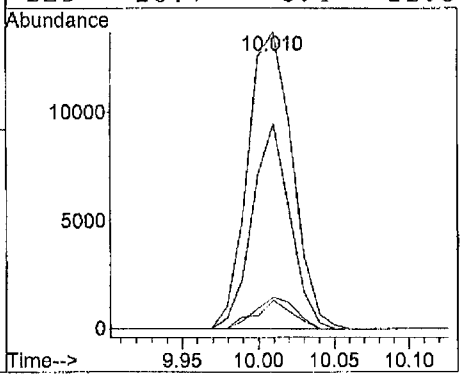


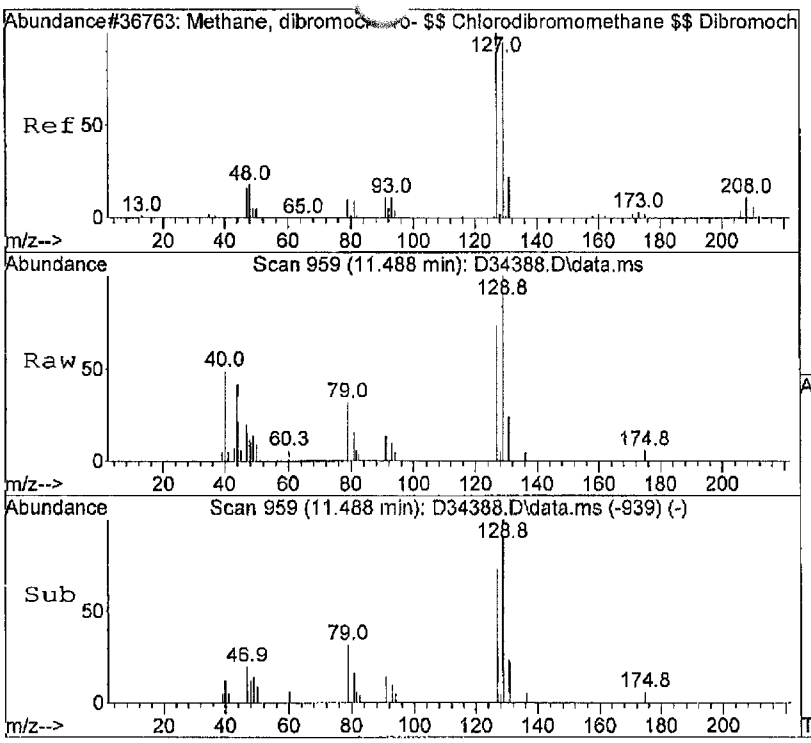


#51
Bromodichloromethane
Concen: 1.23 ppb
RT: 10.010 min Scan# 813
Delta R.T. 0.000 min
Lab File: D34388.D
Acq: 13 Oct 11 9:07 pm

Tgt Ion: 83 Resp: 28130

Ion	Ratio	Lower	Upper
83	100		
85	69.1	50.7	94.1
127	9.6	4.6	8.6#
129	10.7	6.4	11.8

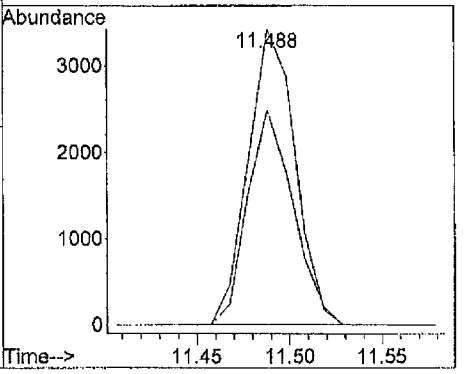




#66
Dibromochloromethane
Concen: 0.39 ppb
RT: 11.488 min Scan# 959
Delta R.T. 0.000 min
Lab File: D34388.D
Acq: 13 Oct 11 9:07 pm

Tgt Ion:129 Resp: 6020

Ion	Ratio	Lower	Upper
129	100		
127	72.7	50.7	94.3



Tentatively Identified Compound (LSC) Summary

Data Path : C:\msdchem\1\DATA\101311\\
Data File : D34388.D
Acq On : 13 Oct 2011 21:077
Operator : sdw-sop525r155
Sample : 1110068-55
Misc : UN-Heated Purgee
ALS Vial : 19 Sample Multiplier: 11

Quant Method : C:\msdchem\1\METHODS\100511W.MM
Quant Title :

TIC Library : C:\Database\NIST129K.LL
TIC Integration Parameters: LSCINT.PP

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc

No Library Search Compounds Detected
****

ALS Environmental

GC/MS Semivolatiles

Case Narrative

NMED Hazardous Waste Bureau

WQSP-6 Split

Work Order Number: 1110068

1. This report consists of 1 water sample. The sample was received cool and intact by ALS on 10/06/11.

2. The sample was prepared and analyzed according to SW-846, 3rd Edition procedures.

   The water sample was extracted using continuous liquid-liquid extractors, according to SW-846 Method 3520C utilizing SOP 617 Revision 14.

3. The extracts were analyzed using GC/MS with a DB-5MS capillary column according to SOP 506 Revision 19 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 compounds in each of the daily (continuing) calibration verifications were within 20%D.

7. All method blank criteria were met.

8. All laboratory control sample and laboratory control sample duplicate criteria were met with the following exceptions:

Spiked Compound	QC Sample	Direction
Phenol	LCSD	Low
4-chloro-3-methylphenol	LCSD	RPD
Acenaphthene	LCSD	Low/RPD

Because of the large number of target analytes reported by this method, the lab allows for sporadic marginal exceedances. No further action was taken.

Since the recoveries for 4-chloro-3-methylphenol in the laboratory control sample and laboratory control sample duplicate were within control limits, with only the RPD exceeding acceptance criteria, quantitations of target compounds were not compromised. No further action was taken.

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 samples were extracted and analyzed within the established holding times.

11. All surrogate recoveries were within acceptance limits with the following exception:

Surrogate	Sample	Direction
2,4,6-Tribromophenol	LCSD	Low

The re-analysis of the sample confirmed the original surrogate analysis.

12. All internal standard recoveries were within acceptance criteria.

13. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 4.

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 Hellickson — 8 Nov. 11
Emily Hellickson — Date
Organics Primary Data Reviewer

Eric Bayless — 11/8/11
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: 1110068
Client Name: NMED Hazardous Waste Bureau
Client Project Name: WQSP-6 Split
Client Project Number:
Client PO Number: 10-667-00-13453

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
WQSP6-SVOA	1110068-1		WATER	05-Oct-11	9:53
WQSP6-MR8	1110068-2		WATER	05-Oct-11	10:19
WQSP6-VOA	1110068-3		WATER	05-Oct-11	10:41
Trip Blank	1110068-4		WATER	05-Oct-11	
Trip Blank (Mobile Lab)	1110068-5		WATER	05-Oct-11	9:10

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 #	1110068				
PAGE	1 of 1				
DISPOSAL	(By Lab) or Return to Client				

		SAMPLER	Ricardo Maestas	DATE	Oct. 05, 2011
PROJECT NAME	WQSP-6 Split	SITE ID	WIPP-WQSP6	TURNAROUND	Standard
PROJECT No.		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	NMED Haz-Waste Bureau	BILL TO COMPANY	NMED Haz-Waste Bureau		
SEND REPORT TO	Ricardo Maestas	INVOICE ATTN TO	c/o Brian Holton		
ADDRESS	2905 Rodeo Park Dr. E Bldg 1	ADDRESS	2905 Rodeo Park Dr. E Bldg 1		
CITY / STATE / ZIP	Santa Fe, NM 87505	CITY / STATE / ZIP	Santa Fe, NM 87505		
PHONE	505-476-6050	PHONE	505-476-6017		
FAX	505-476-6060	FAX	505 476-6060		
E-MAIL	ricardo.maestas@state.nm.us	E-MAIL	brian.holton@state.nm.us		

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Semi-VOA (8270)	RCRA 8 Metals	VOA (8260B)
1	WQSP6-SVOA	W	10-5-11	9:53	1	—		X		
2	WQSP6-MR8	W	10-5-11	10:19	1	HNO_3			X	
3	WQSP6-VOA	W	10-5-11	10:41	3	HCl				X
4	Trip Blank	W	N/A	N/A	1	HCl				X
5	Trip Blank (mobile lab)	W	10-5-11	9:10am	1	HCl				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: RCRA 8 Metals

1 Trip Blank arrived broken.
Sample Crew provided a trip blank obtained from mobile lab.

QC PACKAGE (check below)	
	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				
RECEIVED BY	C Trimble	C Trimble	10-6-11	0950
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Laboratory Group - Fort Collins

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 1110068

Project Manager: LS Initials: CDT Date: 10-6-11

1.	Does this project require any **special handling** in addition to standard Paragon 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.)	CDT 10-6-11	~~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 perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(N/A)	YES	NO
16.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
17.	Were the samples **shipped on ice**?		(YES)	NO
18.	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:	0							
DOT Survey/ Acceptance Information: External µR/hr reading:	14							
DOT Survey/ Acceptance Information: 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.

Received 2 bottles for sample WQSP6-SVOA

sample WQSP6-MR8 received partially frozen

COC not relinquished.

If applicable, was the client contacted? (YES) / NO / NA Contact: R. Maestas Date/Time: 10/6

Project Manager Signature / Date: 10/6/11

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

Form 201r22.xls (6/1/09)

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express US Airbill 8625 3875 1041 0200 Form ID No. 1110068 **FedEx Retrieval Cop**

1 From
Date 10-5-11 Sender's FedEx Account Number 1578-0588-6
Sender's Name Ricardo Minestas Phone 505 476-6050
Company New Mexico Environment Dept. Haz Waste Bureau
Address 2905 Rodeo Park Dr East Building 1 Dept./Floor/Suite/Room
City Santa Fe State NM ZIP 87505

2 Your Internal Billing Reference

3 To
Recipient's Name Sample Control Phone 970 490-1511
Company ALS Laboratory Group
Recipient's Address 225 Commerce Drive Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
To request a package be held at a specific FedEx location, print FedEx address here.
City Ft. Collins State CO ZIP 80524

3.6

8625 3875 1041

4a Express Package Service — Packages up to 150 lb
1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available
3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available
FedEx Envelope rate not available. Minimum charge: One-pound rate
* To most locations

4b Express Freight Service — Packages over 150 lb
7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available
* Call for Confirmation; ** To most locations

5 Packaging
6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other Cooler
* Declared value limit $500

6 Special Handling — Include FedEx services in Section 3.
3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

14

Does this shipment contain dangerous goods? One box must be checked.
[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 — kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]
1 [ ] Sender — Acct. No. in Section 1 will be billed. 2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check
157 [redacted]
Total Packages 1 Total Weight 25 [redacted]
*Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details. Credit Card Auth.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
[X] No Signature Required — Package may be left without obtaining a signature for delivery.
10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

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GC/MS Semi-volatiles

Method SW8270D

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: EX111012-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Oct-11
Date Analyzed: 17-Oct-11

Prep Batch: EX111012-4
QCBatchID: EX111012-4-3
Run ID: SV111017-3
Cleanup: NONE
Basis: N/A
File Name: R3874

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
123-91-1	1,4-DIOXANE	1	10	10	0.64	U	
110-86-1	PYRIDINE	1	10	10	3	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	3	U	
62-53-3	ANILINE	1	10	10	5.2	U	
108-95-2	PHENOL	1	10	10	3	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	3	U	
95-57-8	2-CHLOROPHENOL	1	10	10	3	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	3	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	3	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	3	U	
100-51-6	BENZYL ALCOHOL	1	10	10	3	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	3	U	
95-48-7	2-METHYLPHENOL	1	10	10	3	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	3	U	
108-39-4	3+4-METHYLPHENOL	1	10	10	3	U	
67-72-1	HEXACHLOROETHANE	1	10	10	3	U	
98-95-3	NITROBENZENE	1	10	10	3	U	
78-59-1	ISOPHORONE	1	10	10	3	U	
88-75-5	2-NITROPHENOL	1	10	10	3	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	3	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	3	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	3	U	
65-85-0	BENZOIC ACID	1	50	50	39	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	3	U	
91-20-3	NAPHTHALENE	1	10	10	3	U	
106-47-8	4-CHLOROANILINE	1	10	10	3	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	3	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	3	U	

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: EX111012-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Oct-11
Date Analyzed: 17-Oct-11

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: N/A
File Name: R3874

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

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

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: EX111012-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Oct-11
Date Analyzed: 17-Oct-11

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: N/A
File Name: R3874

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
120-12-7	ANTHRACENE	1	10	10	3	U	
86-74-8	CARBAZOLE	1	10	10	3	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	3	U	
206-44-0	FLUORANTHENE	1	10	10	3	U	
129-00-0	PYRENE	1	10	10	3	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	3	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	3	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	10	10	3	U	
218-01-9	CHRYSENE	1	10	10	3	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	3	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	3	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	3	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	3	U	
50-32-8	BENZO(A)PYRENE	1	10	10	3	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	3	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	3	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	3	U	

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: EX111012-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Oct-11
Date Analyzed: 17-Oct-11

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: N/A
File Name: R3874

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

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	53.2		75	71	42 - 117
321-60-8	2-FLUOROBIPHENYL	42.3		50	85	55 - 108
367-12-4	2-FLUOROPHENOL	59.9		75	80	46 - 105
4165-60-0	NITROBENZENE-D5	45.3		50	91	53 - 111
4165-62-2	PHENOL-D5	60.6		75	81	50 - 109
1718-51-0	TERPHENYL-D14	47.8		50	96	34 - 139

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270

Tentatively Identified Compounds

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID:
Lab ID: EX111012-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 12-Oct-11
Date Analyzed: 17-Oct-11

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Clean DF: 1
File Name: R3874

CASNO	Retention Time	Target Analyte	Dilution Factor	Result	Units	Qualifier
		NONE DETECTED	1			U

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-SVOA
Lab ID: 1110068-1

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 12-Oct-11
Date Analyzed: 18-Oct-11
Prep Method: SW3520 Rev C

Prep Batch: EX111012-4
QCBatchID: EX111012-4-3
Run ID: SV111017-3
Cleanup: NONE
Basis: As Received
File Name: R3882

Sample Aliquot: 920 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
123-91-1	1,4-DIOXANE	1	11	11	0.7	U	
110-86-1	PYRIDINE	1	11	11	3.3	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	11	11	3.3	U	
62-53-3	ANILINE	1	11	11	5.7	U	
108-95-2	PHENOL	1	11	11	3.3	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	11	11	3.3	U	
95-57-8	2-CHLOROPHENOL	1	11	11	3.3	U	
541-73-1	1,3-DICHLOROBENZENE	1	11	11	3.3	U	
106-46-7	1,4-DICHLOROBENZENE	1	11	11	3.3	U	
95-50-1	1,2-DICHLOROBENZENE	1	11	11	3.3	U	
100-51-6	BENZYL ALCOHOL	1	11	11	3.3	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	11	11	3.3	U	
95-48-7	2-METHYLPHENOL	1	11	11	3.3	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	11	11	3.3	U	
108-39-4	3+4-METHYLPHENOL	1	11	11	3.3	U	
67-72-1	HEXACHLOROETHANE	1	11	11	3.3	U	
98-95-3	NITROBENZENE	1	11	11	3.3	U	
78-59-1	ISOPHORONE	1	11	11	3.3	U	
88-75-5	2-NITROPHENOL	1	11	11	3.3	U	
105-67-9	2,4-DIMETHYLPHENOL	1	11	11	3.3	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	11	11	3.3	U	
120-83-2	2,4-DICHLOROPHENOL	1	11	11	3.3	U	
65-85-0	BENZOIC ACID	1	54	54	42	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	11	11	3.3	U	
91-20-3	NAPHTHALENE	1	11	11	3.3	U	
106-47-8	4-CHLOROANILINE	1	11	11	3.3	U	

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-SVOA
Lab ID: 1110068-1

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 12-Oct-11
Date Analyzed: 18-Oct-11
Prep Method: SW3520 Rev C

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: As Received
File Name: R3882

Sample Aliquot: 920 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
87-68-3	HEXACHLOROBUTADIENE	1	11	11	3.3	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	11	11	3.3	U	
91-57-6	2-METHYLNAPHTHALENE	1	11	11	3.3	U	
90-12-0	1-METHYLNAPHTHALENE	1	11	11	3.3	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	11	11	3.3	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	11	11	3.3	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	11	11	3.3	U	
91-58-7	2-CHLORONAPHTHALENE	1	11	11	3.3	U	
88-74-4	2-NITROANILINE	1	22	22	6.5	U	
131-11-3	DIMETHYL PHTHALATE	1	11	11	3.3	U	
606-20-2	2,6-DINITROTOLUENE	1	11	11	3.3	U	
208-96-8	ACENAPHTHYLENE	1	11	11	3.3	U	
99-09-2	3-NITROANILINE	1	22	22	6.5	U	
83-32-9	ACENAPHTHENE	1	11	11	3.3	U	
51-28-5	2,4-DINITROPHENOL	1	22	22	6.5	U	
100-02-7	4-NITROPHENOL	1	22	22	6.5	U	
132-64-9	DIBENZOFURAN	1	11	11	3.3	U	
121-14-2	2,4-DINITROTOLUENE	1	11	11	3.3	U	
84-66-2	DIETHYL PHTHALATE	1	11	11	3.3	U	
86-73-7	FLUORENE	1	11	11	3.3	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	11	11	3.3	U	
100-01-6	4-NITROANILINE	1	22	22	6.5	U	
103-33-3	AZOBENZENE	1	11	11	3.3	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	22	22	6.5	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	11	11	3.3	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	11	11	3.3	U	

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-SVOA
Lab ID: 1110068-1

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 12-Oct-11
Date Analyzed: 18-Oct-11
Prep Method: SW3520 Rev C

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: As Received
File Name: R3882

Sample Aliquot: 920 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
118-74-1	HEXACHLOROBENZENE	1	11	11	3.3	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	11	11	3.3	U	
87-86-5	PENTACHLOROPHENOL	1	22	22	6.5	U	
85-01-8	PHENANTHRENE	1	11	11	3.3	U	
120-12-7	ANTHRACENE	1	11	11	3.3	U	
86-74-8	CARBAZOLE	1	11	11	3.3	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	11	11	3.3	U	
206-44-0	FLUORANTHENE	1	11	11	3.3	U	
129-00-0	PYRENE	1	11	11	3.3	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	11	11	3.3	U	
56-55-3	BENZO(A)ANTHRACENE	1	11	11	3.3	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	11	11	3.3	U	
218-01-9	CHRYSENE	1	11	11	3.3	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	11	11	3.3	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	11	11	3.3	U	
205-99-2	BENZO(B)FLUORANTHENE	1	11	11	3.3	U	
207-08-9	BENZO(K)FLUORANTHENE	1	11	11	3.3	U	
50-32-8	BENZO(A)PYRENE	1	11	11	3.3	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	11	11	3.3	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	11	11	3.3	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	11	11	3.3	U	

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-SVOA
Lab ID: 1110068-1

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 12-Oct-11
Date Analyzed: 18-Oct-11
Prep Method: SW3520 Rev C

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: As Received
File Name: R3882

Sample Aliquot: 920 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	56.8		81.5	70	42 - 117
321-60-8	2-FLUOROBIPHENYL	42.4		54.3	78	55 - 108
367-12-4	2-FLUOROPHENOL	56.3		81.5	69	46 - 105
4165-60-0	NITROBENZENE-D5	44.2		54.3	81	53 - 111
4165-62-2	PHENOL-D5	58.6		81.5	72	50 - 109
1718-51-0	TERPHENYL-D14	54.7		54.3	101	34 - 139

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270

Tentatively Identified Compounds

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Field ID: WQSP6-SVOA
Lab ID: 1110068-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-11
Date Extracted: 12-Oct-11
Date Analyzed: 18-Oct-11

Prep Batch: EX111012-4
QCBatchID: EX111012-4-2
Run ID: SV111017-3
Cleanup: NONE
Basis: As Received

Sample Aliquot: 920 ml
Final Volume: 1 ml
Clean DF: 1
File Name: R3882

CASNO	Retention Time	Target Analyte	Dilution Factor	Result	Units	Qualifier
		NONE DETECTED	1			U

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: EX111012-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/12/2011
Date Analyzed: 10/17/2011
Prep Method: SW3520C

Prep Batch: EX111012-4
QCBatchID: EX111012-4-3
Run ID: SV111017-3
Cleanup: NONE
Basis: N/A
File Name: R3875

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
123-91-1	1,4-DIOXANE	59.9	44.1	10		74	30 - 130%
108-95-2	PHENOL	75	60.2	10		80	60 - 102%
95-57-8	2-CHLOROPHENOL	75	63.4	10		85	64 - 100%
106-46-7	1,4-DICHLOROBENZENE	50	36.4	10		73	30 - 100%
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	50	45.6	10		91	62 - 113%
120-82-1	1,2,4-TRICHLOROBENZENE	50	39.5	10		79	35 - 105%
59-50-7	4-CHLORO-3-METHYLPHENOL	75	69.5	10		93	45 - 110%
83-32-9	ACENAPHTHENE	50	41.8	10		84	60 - 108%
100-02-7	4-NITROPHENOL	75	50.8	20		68	24 - 128%
121-14-2	2,4-DINITROTOLUENE	50	43.6	10		87	46 - 114%
87-86-5	PENTACHLOROPHENOL	75	61.6	20		82	40 - 114%
129-00-0	PYRENE	50	53.3	10		107	60 - 113%

Data Package ID: *SV1110068-1*

GC/MS Semi-volatiles

Method SW8270D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC
Work Order Number: 1110068
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: WQSP-6 Split

Lab ID: EX111012-4LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/12/2011
Date Analyzed: 10/17/2011
Prep Method: SW3520C

Prep Batch: EX111012-4
QCBatchID: EX111012-4-3
Run ID: SV111017-3
Cleanup: NONE
Basis: N/A
File Name: R3876

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
123-91-1	1,4-DIOXANE	59.9	45	10		75	50	2
108-95-2	PHENOL	75	42.3	10	*	56	40	35
95-57-8	2-CHLOROPHENOL	75	50.2	10		67	42	23
106-46-7	1,4-DICHLOROBENZENE	50	37.4	10		75	50	3
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	50	45.5	10		91	44	0
120-82-1	1,2,4-TRICHLOROBENZENE	50	39.9	10		80	42	1
59-50-7	4-CHLORO-3-METHYLPHENOL	75	43.9	10	+	59	35	45
83-32-9	ACENAPHTHENE	50	25.2	10	*+	50	43	49
100-02-7	4-NITROPHENOL	75	49.5	20		66	48	2
121-14-2	2,4-DINITROTOLUENE	50	44.1	10		88	40	1
87-86-5	PENTACHLOROPHENOL	75	55.7	20		74	44	10
129-00-0	PYRENE	50	44.9	10		90	48	17

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	84		39	*	42 - 117
321-60-8	2-FLUOROBIPHENYL	50	90		92		55 - 108
367-12-4	2-FLUOROPHENOL	75	83		50		46 - 105
4165-60-0	NITROBENZENE-D5	50	96		94		53 - 111
4165-62-2	PHENOL-D5	75	86		60		50 - 109
1718-51-0	TERPHENYL-D14	50	110		107		34 - 139

Data Package ID: *SV1110068-1*