ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

May 1, 2009

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

Re:	ALS Workorder:	09-04-081
	Project Name:	MWL
	Project Number:	None Submitted

Dear Mr. Cobrain:

Thirteen water samples were received from NMED Hazardous Waste Bureau on April 9, 2009. The samples were scheduled for the following analyses:

Metals	pages 1-17
GC/MS Volatiles	pages 1-29
Gross Alpha/Beta	pages 1-10
GC/MS Semivolatiles	pages 1-22
Gamma Spectroscopy	pages 1-17

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

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

Sincerely,

ALS Laboratory Group
Lance Steere
Project Manager

LRS/eh
Enclosure (s): Report and CD

ALS Group USA, Corp
Part of the **ALS Laboratory Group**
225 Commerce Drive Ft. Collins, Colorado 80524
Phone (970) 490-1511 Fax (970) 490-1522 www.alsenviro.com
A Campbell Brothers Limited Company

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0904081
Client Name: NMED Hazardous Waste Bureau
Client Project Name: MWL
Client Project Number:
Client PO Number: 06-667-55-01754

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-8-1-V	0904081-1		WATER	07-Apr-09	11:20
MW-8-1-S	0904081-2		WATER	07-Apr-09	11:27
MW-8-1-M	0904081-3		WATER	07-Apr-09	11:25
MW-8-1-AB	0904081-4		WATER	07-Apr-09	11:30
MW-8-1-G	0904081-5		WATER	07-Apr-09	11:32
MW-8-2B-V	0904081-6		WATER	07-Apr-09	14:00
MW-8-2B-M	0904081-7		WATER	07-Apr-09	14:01
MW-7-1-V	0904081-8		WATER	08-Apr-09	9:23
MW-7-1-S	0904081-9		WATER	08-Apr-09	9:24
MW-7-1-M	0904081-10		WATER	08-Apr-09	9:30
MW-7-1-AB	0904081-11		WATER	08-Apr-09	9:38
MW-7-1-G	0904081-12		WATER	08-Apr-09	9:43
Trip Blank	0904081-13		WATER	08-Apr-09	

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one) Standard or Rush (Due _____) Dispose: Date JUNE 15 or Return to Client

Report To: SID BRANDWEIN
Phone: 505-222-9504
Fax: 505-222-9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address: 5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-8-1-V	4/7	11:20	1	W	HCl	3	✓																									
MW-8-1-S	4/7	11:27	2	W	-	1			✓																							
MW-8-1-M	4/7	11:25	3	W	HNO3	1										✓																
MW-8-1-AB	4/7	11:30	4	W	HNO3	1																			✓							
MW-8-1-G	4/7	11:32	5	W	HNO3	1																									✓	
MW-8-2B-V	4/7	2:00p	6	W	HCl	3	✓																									
MW-8-2B-M	4/7	2:00P	7	W	HNO3	1										✓																

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

Comments: SEND INVOICE TO:
P. COBRAIN / C. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

*METALS - TAL, Hg, Sn

Form 202r6.xls (6/16/06)

Relinquished By (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

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Fax: 505 - 222 - 9510
E-mail: sid.brandwein@state.nm.us
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Address:
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MW-7-1-S	4/8	9:24	9	W	-	1			✓																							
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MW-7-1-AB	4/8	9:35	11	W	HNO3	1																			✓							
MW-7-1-G	4/8	9:43	12	W	HNO3	1																									✓	
TRIP BLANK			13				✓																									

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Company NMED	Company

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Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0904081

Project Manager: LRS Initials: LJO Date: 4/9/09

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.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble**: X < green pea ____ > green pea	N/A	YES	(NO) +
15.	Do 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):	0.4							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
DOT Survey/ Acceptance Information — Background µR/hr reading:	11							

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.

*Samples #8 thru 13 did not have custody seals on the bubble bags. Please see COC for cross reference IDs. Noted.

+Sample # 13: 2 of 3 40 ml vial contain headspace < pea. Noted.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid. B Date/Time: 4/9

Project Manager Signature / Date: 4/9/09

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

Form 201r21.xls (7/30/08)

FedEx Express **US Airbill**

FedEx Tracking Number 8641 3910 7367

RECIPIENT: PEEL HERE

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

Date 4/8/09 FedEx Tracking Number 864139107367

Sender's Name S. BRANDWEIN Phone 505 222-9504

Company NMED

Address 5500 SAN ANTONIO DR. NE

Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference NMED HWB

3 To

Recipient's Name SAMPLE RECEIVING Phone 970 490-1311

Company PARAGON

Recipient's Address 225 COMMERCE DR

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 FORT COLLINS State CO ZIP 80524-2762

0373281941

8641 3910 7367

Recipient's Copy

4a Express Package Service

- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available. (Packages up to 150 lbs.)
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] 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

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available. (Packages over 150 lbs.)

* Call for Confirmation:

**To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

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

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

- [ ] Cargo Aircraft Only

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

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [X] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

Total Packages 15 Total Weight

Credit Card Auth.

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

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

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

519

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ALS Paragon

Gamma Spectroscopy

Case Narrative

NMED Hazardous Waste Bureau

MWL

Work Order Number: 0904081

1. This report consists of analytical results for two water samples received by ALS Paragon on 04/09/09.

2. These samples were prepared according to procedure SOP739R9.

3. The samples were analyzed for the presence of gamma emitting radionuclides according to procedure SOP713R10. The analyses were completed on 04/15/09.

4. The analysis results for these samples are reported in units of pCi/L. The samples were not filtered prior to analysis.

5. Activity concentrations above the calculated MDC are reported in some instances where minimum nuclide identification criteria are not met. Such tentative identifications result when the software attempts to calculate net activity concentrations for analytes where either one or both of the following criteria are not satisfied: the 'diagnostic' peak for a nuclide must be identified above the critical level, or the minimum library peak abundance must be attained. Nuclides not meeting these requirements have been flagged with a "TI" qualifier.

6. ALS Paragon has found there to be a significant low bias to ^{214}Pb and ^{214}Bi results when using a mixed nuclide gamma source for efficiency calibrations. The magnitude of this bias has been determined to be approximately 32% for ^{214}Bi, and 23% for ^{214}Pb. Therefore, any reported results for ^{214}Pb and ^{214}Bi are flagged with a "J" qualifier, indicating the activity values to be an estimated value. Results are reported without further qualification.

7. There are cases where the magnitude of negative activity is greater than the 3σ TPU. ALS Paragon is currently investigating the possible cause and frequency of this occurrence. Review of the data does not indicate a problem with the instrument or reporting systems and results are reported without further qualification.

8. There are cases where the magnitude of negative activity is greater than the 2σ TPU. Under typical conditions, where background data is normally distributed and analyzed by paired observations, this event is likely to occur at least 2.5% of the time. Review of the data does not indicate a problem with the instrument or reporting systems and results are reported without further qualification.

9. No further problems were encountered with either the client samples or the associated quality control samples. All remaining quality control criteria were met.

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

Linda Arend
Radiochemistry Primary Data Reviewer

04/29/09
Date

Radiochemistry Final Data Reviewer

4-30-09
Date

ALS Paragon

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MW-7-1-S	4/8	9:24	9	W	–	1			✓																							
MW-7-1-M	4/8	9:30	10	W	HNO3	1										✓																
MW-7-1-AB	4/8	9:35	11	W	HNO3	1																			✓							
MW-7-1-G	4/8	9:43	12	W	HNO3	1																									✓	
TRIP BLANK			13				✓																									

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NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

* METALS - TAL, Hg, Sn

Form 202r6.xls (6/16/06)

Relinquished By: (1)	Relinquished By: (2)
Signature: S. Brandwein	Signature:
Printed Name: S. BRANDWEIN	Printed Name:
Date: 4/8/09 Time: 10:30 AM	Date: Time:
Company: NMED	Company:

Received By: (1)	Received By: (2)
Signature: Lara J Orban	Signature:
Printed Name: Lara J Orban	Printed Name:
Date: 4/9/09 Time: 0930	Date: Time:
Company: ALS Paragon	Company:

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: NMED

Workorder No: 0904081

Project Manager: LRS

Initials: LJO

Date: 4/9/09

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.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble:** X < green pea ____ > green pea	N/A	YES	(NO) +
15.	Do 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):	0.4							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
Background µR/hr reading:	11							

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.

*Samples #8 thru 13 did not have custody seals on the bubble bags. Please see COC for cross reference IDs. Noted.

+Sample # 13: 2 of 3 40 ml vial contain headspace < pea. Noted.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid B Date/Time: 4/9

Project Manager Signature / Date: 4/9/09

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

Form 201r21.xls (7/30/08)

FedEx Express **US Airbill**

FedEx Tracking Number 8641 3910 7367

Recipient's Copy

RECIPIENT: PEEL HERE

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

Date 4/8/09 FedEx Tracking Number 8641391073 67

Sender's Name S. BRANDWEIN Phone 505 222-9504

Company NMED

Address 5500 SAN ANTONIO DR. NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference NMED HWB

3 To

Recipient's Name SAMPLE RECEIVING Phone 970 490-1311

Company PARAGON

Recipient's Address 225 COMMERCE DR

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 FORT COLLINS State CO ZIP 80524-2762

0373281941

8641 3910 7367

4a Express Package Service 19

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available. (Packages up to 150 lbs.)
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] 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

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available. (Packages over 150 lbs.)

* Call for Confirmation: _____ **To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

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

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

- [ ] Cargo Aircraft Only

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

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain Recip. Acct. No. [ ]

[redacted] 15 [redacted]

Total Packages Total Weight [redacted] Credit Card Auth.

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

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

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

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Rev. Date 10/06•Part #158279•©1994–2006 FedEx•PRINTED IN U.S.A.•SRS

Gamma Spectroscopy Results

PAI 713 Rev 10

Method Blank Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: GS090410-2BMB

Library: NMED_FANP.LIB

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 10-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 14-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 1000 minutes

Final Aliquot: 978 ml
Result Units: pCi/l
File Name: 090301d10B

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
14331-83-0	Ac-228	0.11 +/- 19	32		U
14391-76-5	Ag-110m	0.14 +/- 2.5	4.1		U
14682-66-7	Al-26	1.8 +/- 3.4	5.8		U
14596-10-2	Am-241	38 +/- 37	60		U
13966-02-4	Be-7	7.8 +/- 17	29		U
14913-49-6	Bi-212	32 +/- 37	60		U
14733-03-0	Bi-214	3.7 +/- 12	20		U,J
14109-32-1	Cd-109	33 +/- 60	99		U
13982-30-4	Ce-139	-0.70 +/- 1.8	3.0		U
14762-78-8	Ce-144	-5.9 +/- 13	21		U
14093-03-9	Co-56	5.2 +/- 4.5	7.1		U
13981-50-5	Co-57	0.44 +/- 1.5	2.6		U
13981-38-9	Co-58	-3.1 +/- 2.6	4.5		U
10198-40-0	Co-60	0.087 +/- 3.1	5.3		U
14392-02-0	Cr-51	15 +/- 17	28		U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
LT - Result is less than Requested MDC, greater than sample specific MDC.
SQ - Spectral quality prevents accurate quantitation.
SI - Nuclide identification and/or quantitation is tentative.
TI - Nuclide identification is tentative.
R - Nuclide has exceeded 8 halflives.
M - Requested MDC not met.
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)
MDC - Minimum Detectable Concentration (see PAI SOP 709)
BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Method Blank Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: GS090410-2BMB

Library: NMED_FANP.LIB

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 10-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 14-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 1000 minutes

Final Aliquot: 978 ml
Result Units: pCi/l
File Name: 090301d10B

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
13967-70-9	Cs-134	-4.3 +/- 2.7	4.7		U
10045-97-3	Cs-137	0.89 +/- 2.7	4.5	10	U
14683-23-9	Eu-152	9.9 +/- 14	24		U
15585-10-1	Eu-154	2.5 +/- 15	26		U
14391-16-3	Eu-155	8.3 +/- 7.2	12		U
14596-12-4	Fe-59	5.0 +/- 5.4	8.8		U
10043-66-0	I-131	0.69 +/- 2.3	3.9		U
13966-00-2	K-40	-22 +/- 73	120		U
13966-31-9	Mn-54	1.5 +/- 2.6	4.3		U
13966-32-0	Na-22	3.7 +/- 3.0	4.9		U
14681-63-1	Nb-94	-1.4 +/- 2.8	4.7		U
13967-76-5	Nb-95	-0.59 +/- 2.3	3.9		U
15100-28-4	Pa-234m	440 +/- 460	750		U
15092-94-1	Pb-212	-1.1 +/- 8.0	13		U
15067-28-4	Pb-214	1.2 +/- 8.8	15		U,J

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
LT - Result is less than Requested MDC, greater than sample specific MDC.
SQ - Spectral quality prevents accurate quantitation.
SI - Nuclide identification and/or quantitation is tentative.
TI - Nuclide identification is tentative.
R - Nuclide has exceeded 8 halflives.
M - Requested MDC not met.
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)
MDC - Minimum Detectable Concentration (see PAI SOP 709)
BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Method Blank Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: GS090410-2BMB

Library: NMED_FANP.LIB

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 10-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 14-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 1000 minutes

Final Aliquot: 978 ml
Result Units: pCi/l
File Name: 090301d10B

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
13967-48-1	Ru-106	13 +/- 23	38		U
14683-10-4	Sb-124	7.0 +/- 2.6	3.9		TI
14234-35-6	Sb-125	-0.70 +/- 6.3	11		U
13967-63-0	Sc-46	0.15 +/- 2.5	4.2		U
15623-47-9	Th-227	9.8 +/- 19	31		U
15065-10-8	Th-234	28 +/- 90	150		U
14913-50-9	Tl-208	-1.2 +/- 5.0	8.4		U
15117-96-1	U-235	12 +/- 11	18		U
13982-39-3	Zn-65	-6.6 +/- 5.9	10		U
13967-76-2	Sr-85	2.1 +/- 3.2	5.1		U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
LT - Result is less than Requested MDC, greater than sample specific MDC.
SQ - Spectral quality prevents accurate quantitation.
SI - Nuclide identification and/or quantitation is tentative.
TI - Nuclide identification is tentative.
R - Nuclide has exceeded 8 halflives.
M - Requested MDC not met.
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)
MDC - Minimum Detectable Concentration (see PAI SOP 709)
BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Laboratory Control Sample(s)

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: GS090410-2LCS

Library: ANALYTICAL

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 10-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 15-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 30 minutes

Final Aliquot: 1000 ml
Result Units: pCi/l
File Name: 090303d10

CASNO	Target Nuclide	Results +/- 2s TPU	MDC	Spike Added	% Rec	Control Limits	Lab Qualifier
14596-10-2	Am-241	108000 +/- 12900	2630	99200	109	85 - 115	P
10198-40-0	Co-60	44500 +/- 5220	154	44500	100	85 - 115	P
10045-97-3	Cs-137	36800 +/- 4330	213	37400	98.5	85 - 115	P,M3

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

LT - Result is less than Requested MDC, greater than sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS Recovery within control limits.

M - The requested MDC was not met.

M3 - The requested MDC was not met, but thereported activity is greater than the reported MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-G
Lab ID: 0904081-5

Library: NMED_FANP.LIB
Analysis ReqCode: **320**

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 07-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 300 minutes
Report Basis: Unfiltered

Final Aliquot: 990 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: 090595d03

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
14331-83-0	Ac-228	12 +/- 20	34		U
14391-76-5	Ag-110m	-3.0 +/- 4.9	8.8		U
14682-66-7	Al-26	-0.18 +/- 7.0	13		U
14596-10-2	Am-241	-23 +/- 44	76		U
13966-02-4	Be-7	-0.86 +/- 38	66		U
14913-49-6	Bi-212	70 +/- 73	120		U
14733-03-0	Bi-214	25 +/- 18	28		U,J
14109-32-1	Cd-109	-34 +/- 140	240		U
13982-30-4	Ce-139	-0.012 +/- 3.5	6.0		U
14762-78-8	Ce-144	-2.5 +/- 25	42		U
14093-03-9	Co-56	3.9 +/- 8.9	15		U
13981-50-5	Co-57	-1.3 +/- 3.4	5.8		U
13981-38-9	Co-58	-3.3 +/- 5.6	10		U
10198-40-0	Co-60	3.6 +/- 5.8	9.7		U
14392-02-0	Cr-51	-9.1 +/- 40	69		U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-G
Lab ID: 0904081-5

Library: NMED_FANP.LIB
Analysis ReqCode: **320**

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 07-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 300 minutes
Report Basis: Unfiltered

Final Aliquot: 990 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: 090595d03

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
13967-70-9	Cs-134	3.0 +/- 7.8	13		U
10045-97-3	Cs-137	-0.71 +/- 5.2	9.1	10	U
14683-23-9	Eu-152	-18 +/- 28	52		U
15585-10-1	Eu-154	17 +/- 30	50		U
14391-16-3	Eu-155	11 +/- 16	26		U
14596-12-4	Fe-59	6.9 +/- 11	18		U
10043-66-0	I-131	-1.9 +/- 7.8	13		U
13966-00-2	K-40	-24 +/- 99	170		U
13966-31-9	Mn-54	1.5 +/- 5.0	8.6		U
13966-32-0	Na-22	3.6 +/- 5.6	9.2		U
14681-63-1	Nb-94	-7.4 +/- 5.5	10		U
13967-76-5	Nb-95	-2.2 +/- 4.7	8.5		U
15100-28-4	Pa-234m	240 +/- 920	1600		U
15092-94-1	Pb-212	-2.0 +/- 7.9	14		U
15067-28-4	Pb-214	19 +/- 14	26		U,J

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-G
Lab ID: 0904081-5
Library: NMED_FANP.LIB
Analysis ReqCode: **320**

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 07-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 300 minutes
Report Basis: Unfiltered

Final Aliquot: 990 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: 090595d03

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
13967-48-1	Ru-106	14 +/- 46	79		U
14683-10-4	Sb-124	11 +/- 5.3	7.8		TI
14234-35-6	Sb-125	-5.6 +/- 13	22		U
13967-63-0	Sc-46	-3.1 +/- 4.9	9.0		U
15623-47-9	Th-227	-1.7 +/- 25	43		U
15065-10-8	Th-234	-33 +/- 120	210		U
14913-50-9	Tl-208	7.7 +/- 5.0	7.7		TI
15117-96-1	U-235	-5.8 +/- 25	43		U
13982-39-3	Zn-65	-3.2 +/- 13	23		U
13967-76-2	Sr-85	-25 +/- 8.8	16		U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-G
Lab ID: 0904081-12

Library: NMED_FANP.LIB
Analysis ReqCode: **320**

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 08-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 400 minutes
Report Basis: Unfiltered

Final Aliquot: 980 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: 090596d03

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
14331-83-0	Ac-228	11 +/- 18	29		U
14391-76-5	Ag-110m	4.4 +/- 4.7	7.6		U
14682-66-7	Al-26	5.5 +/- 5.9	9.5		U
14596-10-2	Am-241	-14 +/- 40	69		U
13966-02-4	Be-7	5.5 +/- 34	58		U
14913-49-6	Bi-212	98 +/- 68	110		U
14733-03-0	Bi-214	34 +/- 17	26		J
14109-32-1	Cd-109	95 +/- 100	170		U
13982-30-4	Ce-139	-0.045 +/- 3.2	5.4		U
14762-78-8	Ce-144	-7.2 +/- 23	38		U
14093-03-9	Co-56	5.4 +/- 8.4	14		U
13981-50-5	Co-57	0.0085 +/- 3.0	5.1		U
13981-38-9	Co-58	0.73 +/- 4.9	8.4		U
10198-40-0	Co-60	4.0 +/- 5.7	9.4		U
14392-02-0	Cr-51	-15 +/- 35	61		U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-G
Lab ID: 0904081-12

Library: NMED_FANP.LIB
Analysis ReqCode: **320**

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 08-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 400 minutes
Report Basis: Unfiltered

Final Aliquot: 980 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: 090596d03

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
13967-70-9	Cs-134	-0.68 +/- 6.8	12		U
10045-97-3	Cs-137	2.5 +/- 4.9	8.3	10	U
14683-23-9	Eu-152	11 +/- 27	45		U
15585-10-1	Eu-154	16 +/- 26	43		U
14391-16-3	Eu-155	10 +/- 14	22		U
14596-12-4	Fe-59	3.5 +/- 9.5	16		U
10043-66-0	I-131	-0.65 +/- 6.5	11		U
13966-00-2	K-40	16 +/- 91	150		U
13966-31-9	Mn-54	0.14 +/- 4.4	7.7		U
13966-32-0	Na-22	3.3 +/- 5.1	8.5		U
14681-63-1	Nb-94	1.8 +/- 5.1	8.6		U
13967-76-5	Nb-95	0.43 +/- 4.3	7.4		U
15100-28-4	Pa-234m	720 +/- 790	1300		U
15092-94-1	Pb-212	-0.68 +/- 8.4	14		U
15067-28-4	Pb-214	27 +/- 12	22		J

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

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M - The requested MDC was not met.

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SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

Gamma Spectroscopy Results

PAI 713 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-G
Lab ID: 0904081-12

Library: NMED_FANP.LIB
Analysis ReqCode: **320**

Sample Matrix: WATER
Prep SOP: PAI 739 Rev 9
Date Collected: 08-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: GS090410-2
QCBatchID: GS090410-2-2
Run ID: GS090410-2A
Count Time: 400 minutes
Report Basis: Unfiltered

Final Aliquot: 980 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: 090596d03

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
13967-48-1	Ru-106	2.3 +/- 41	71		U
14683-10-4	Sb-124	9.3 +/- 4.7	7.0		TI
14234-35-6	Sb-125	-3.0 +/- 11	19		U
13967-63-0	Sc-46	1.9 +/- 4.5	7.5		U
15623-47-9	Th-227	23 +/- 33	53		U
15065-10-8	Th-234	6.5 +/- 120	200		U
14913-50-9	Tl-208	2.0 +/- 7.5	13		U
15117-96-1	U-235	18 +/- 20	33		U
13982-39-3	Zn-65	-4.5 +/- 11	20		U
13967-76-2	Sr-85	2.9 +/- 5.9	9.6		U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC or less than the associated TPU

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

SQ - Spectral quality prevents accurate quantitation.

SI - Nuclide identification and/or quantitation is tentative.

TI - Nuclide identification is tentative.

R - Nuclide has exceeded 8 halflives.

G - Sample density differs by more than 15% of LCS density.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *GSW0904081-1*

ALS Paragon

GC/MS Semivolatiles

Case Narrative

NMED Hazardous Waste Bureau

MWL

Work Order Number: 0904081

1. This report consists of 2 water samples. The samples were received cool and intact by ALS Paragon on 04/09/09.

2. The samples were prepared and analyzed according to SW-846, 3rd Edition protocol utilizing SOP. Specifically, the water samples were extracted using continuous liquid-liquid extractors, according to SW-846 Method 3520C utilizing SOP 617 Revision 13.

3. The extracts were analyzed using GC/MS with a DB-5.625 capillary column according to SOP 506 Revision 15 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 for SPCC's and CCC's were met. If average response factors were used in the initial calibration, %RSD was ≤15%. 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 of less than 25%.

6. All SPCC and CCC criteria were met in each of the daily (continuing) calibration verifications.

7. All method blank criteria were met.

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

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

10. The samples were extracted and analyzed within the established holding times.

11. All surrogate recoveries were within acceptance criteria.

12. All internal standard recoveries were within acceptance criteria.

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

SY
Sharon L. Jobes
Organics Primary Data Reviewer

4-27-09
Date

Eric Bayless
Organics Final Data Reviewer

4/27/09
Date

ALS Paragon
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 Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0904081
Client Name: NMED Hazardous Waste Bureau
Client Project Name: MWL
Client Project Number:
Client PO Number: 06-667-55-01754

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-8-1-V	0904081-1		WATER	07-Apr-09	11:20
MW-8-1-S	0904081-2		WATER	07-Apr-09	11:27
MW-8-1-M	0904081-3		WATER	07-Apr-09	11:25
MW-8-1-AB	0904081-4		WATER	07-Apr-09	11:30
MW-8-1-G	0904081-5		WATER	07-Apr-09	11:32
MW-8-2B-V	0904081-6		WATER	07-Apr-09	14:00
MW-8-2B-M	0904081-7		WATER	07-Apr-09	14:01
MW-7-1-V	0904081-8		WATER	08-Apr-09	9:23
MW-7-1-S	0904081-9		WATER	08-Apr-09	9:24
MW-7-1-M	0904081-10		WATER	08-Apr-09	9:30
MW-7-1-AB	0904081-11		WATER	08-Apr-09	9:38
MW-7-1-G	0904081-12		WATER	08-Apr-09	9:43
Trip Blank	0904081-13		WATER	08-Apr-09	

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one) **Standard** or **Rush (Due** _____ **)** Dispose: **Date** JUNE 15 or **Return to Client**

Report To: SID BRANDWEIN
Phone: 505-222-9504
Fax: 505, 222-9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address: 5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311	TCLP Metals SW1311 Hg	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2 SW9040B SW9045C	pH	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-8-1-V	4/7	11:20	1	W	HCl	3	✓																									
MW-8-1-S	4/7	11:27	2	W	-	1			✓																							
MW-8-1-M	4/7	11:25	3	W	HNO3	1										✓																
MW-8-1-AB	4/7	11:30	4	W	HNO3	1																			✓						✓	
MW-8-1-G	4/7	11:32	5	W	HNO3	1																										
MW-8-2B-V	4/7	2:00p	6	W	HCl	3	✓																									
MW-8-2B-M	4/7	2:00p	7	W	HNO3	1										✓																

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

Comments: SEND INVOICE TO:
D. COBRAIN / L. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

*METALS - TAL, Hg, Sn

Relinquished By (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

Form 202r6.xls (6/16/06)

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 2 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date JUNE 15 or Return to Client

Report To: SID BRANDWEIN
Phone: 505- ~~291-910~~ 222-9504
Fax: 505. 222 -9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address:
5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-7-1-V	4/8	9:23	8	W	HCl	3	✓																									
MW-7-1-S	4/8	9:24	9	W	–	1			✓																							
MW-7-1-M	4/8	9:30	10	W	HNO3	1										✓																
MW-7-1-AB	4/8	9:35	11	W	HNO3	1																			✓							
MW-7-1-G	4/8	9:43	12	W	HNO3	1																									✓	
TRIP BLANK			13				✓																									

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

Comments: SEND INVOICE TO:
D. COBRAIN / C. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

* METALS - TAL, Hg, Sn

Form 202r6.xls (6/16/06)

Relinquished By: (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30 AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: NMED

Workorder No: 0904081

Project Manager: LRS

Initials: LJO

Date: 4/9/09

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.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble:** X < green pea ____ > green pea	N/A	YES	(NO) +
15.	Do 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):	0.4							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
Background µR/hr reading:	11							

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.

*Samples #8 thru 13 did not have custody seals on the bubble bags. Please see COC for cross reference IDs. Noted.

+Sample # 13: 2 of 3 40 ml vial contain headspace < pea. Noted.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid B Date/Time: 4/9

Project Manager Signature / Date: 4/9/09

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

FedEx Express — **US Airbill**

FedEx Tracking Number: 8641 3910 7367

Recipient's Copy

RECIPIENT: PEEL HERE

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

Date 4/8/09 FedEx Tracking Number 864139107367

Sender's Name S. BRANDWEIN Phone 505 222-9504

Company NMED

Address 5500 SAN ANTONIO DR. NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference NMED HWB

3 To

Recipient's Name SAMPLE RECEIVING Phone 970 490-1311

Company PARAGON

Recipient's Address 225 COMMERCE DR

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 FORT COLLINS State CO ZIP 80524-2762

0373281941

8641 3910 7367

4a Express Package Service 19

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available. (Packages over 150 lbs.)
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] 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

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available. (Packages over 150 lbs.)

* Call for Confirmation: **To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

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

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

- [ ] Cargo Aircraft Only

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

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain Recip. Acct. No. [ ]

Total Packages: [redacted] 15 [redacted] Total Weight: [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.

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

519

Rev. Date 10/06•Part #158279•©1994–2006 FedEx•PRINTED IN U.S.A.•SRS

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: EX090413-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: N/A
File Name: N5951

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
110-86-1	PYRIDINE	1	10	10	2	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	0.6	U	
62-53-3	ANILINE	1	10	10	4.3	U	
108-95-2	PHENOL	1	10	10	2	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	2	U	
95-57-8	2-CHLOROPHENOL	1	10	10	2	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	2	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	2	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	2	U	
100-51-6	BENZYL ALCOHOL	1	10	10	2	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	2	U	
95-48-7	2-METHYLPHENOL	1	10	10	2	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	2	U	
108-39-4	3+4-METHYLPHENOL	1	10	10	2	U	
67-72-1	HEXACHLOROETHANE	1	10	10	2	U	
98-95-3	NITROBENZENE	1	10	10	2	U	
78-59-1	ISOPHORONE	1	10	10	2	U	
88-75-5	2-NITROPHENOL	1	10	10	2	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	2	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	2	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	2	U	
65-85-0	BENZOIC ACID	1	50	50	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	2	U	
91-20-3	NAPHTHALENE	1	10	10	2	U	
106-47-8	4-CHLOROANILINE	1	10	10	3.6	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	2	U	
91-57-6	2-METHYLNAPHTHALENE	1	10	10	2	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: EX090413-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: N/A
File Name: N5951

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
90-12-0	1-METHYLNAPHTHALENE	1	10	10	2	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	2.1	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	2	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	2	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	2	U	
88-74-4	2-NITROANILINE	1	20	20	4	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	2	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	2	U	
208-96-8	ACENAPHTHYLENE	1	10	10	2	U	
99-09-2	3-NITROANILINE	1	20	20	4	U	
83-32-9	ACENAPHTHENE	1	10	10	2	U	
51-28-5	2,4-DINITROPHENOL	1	20	20	4.4	U	
100-02-7	4-NITROPHENOL	1	20	20	4	U	
132-64-9	DIBENZOFURAN	1	10	10	2	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	2	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	2	U	
86-73-7	FLUORENE	1	10	10	2	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	2	U	
100-01-6	4-NITROANILINE	1	20	20	4	U	
103-33-3	AZOBENZENE	1	10	10	2	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	20	20	4	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	2	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	2	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	2	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	10	10	2	U	
87-86-5	PENTACHLOROPHENOL	1	20	20	4	U	
85-01-8	PHENANTHRENE	1	10	10	2	U	
120-12-7	ANTHRACENE	1	10	10	2	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: EX090413-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: N/A
File Name: N5951

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
86-74-8	CARBAZOLE	1	10	10	2	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	2	U	
206-44-0	FLUORANTHENE	1	10	10	2	U	
129-00-0	PYRENE	1	10	10	2	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	2	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	2	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	10	10	3.1	U	
218-01-9	CHRYSENE	1	10	10	2	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	2	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	2	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	2	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	2	U	
50-32-8	BENZO(A)PYRENE	1	10	10	2	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	2	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	2	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	2	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D
Method Blank

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: EX090413-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: N/A
File Name: N5951

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	53.3		75	71	23 - 100
321-60-8	2-FLUOROBIPHENYL	43.7		50	87	21 - 106
367-12-4	2-FLUOROPHENOL	60.1		75	80	21 - 100
4165-60-0	NITROBENZENE-D5	39.8		50	80	34 - 111
4165-62-2	PHENOL-D5	59.8		75	80	15 - 104
1718-51-0	TERPHENYL-D14	50.9		50	102	33 - 111

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-S
Lab ID: 0904081-2

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5954

Sample Aliquot: 945 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
110-86-1	PYRIDINE	1	11	11	2.1	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	11	11	0.63	U	
62-53-3	ANILINE	1	11	11	4.6	U	
108-95-2	PHENOL	1	11	11	2.1	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	11	11	2.1	U	
95-57-8	2-CHLOROPHENOL	1	11	11	2.1	U	
541-73-1	1,3-DICHLOROBENZENE	1	11	11	2.1	U	
106-46-7	1,4-DICHLOROBENZENE	1	11	11	2.1	U	
95-50-1	1,2-DICHLOROBENZENE	1	11	11	2.1	U	
100-51-6	BENZYL ALCOHOL	1	11	11	2.1	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	11	11	2.1	U	
95-48-7	2-METHYLPHENOL	1	11	11	2.1	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	11	11	2.1	U	
108-39-4	3+4-METHYLPHENOL	1	11	11	2.1	U	
67-72-1	HEXACHLOROETHANE	1	11	11	2.1	U	
98-95-3	NITROBENZENE	1	11	11	2.1	U	
78-59-1	ISOPHORONE	1	11	11	2.1	U	
88-75-5	2-NITROPHENOL	1	11	11	2.1	U	
105-67-9	2,4-DIMETHYLPHENOL	1	11	11	2.1	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	11	11	2.1	U	
120-83-2	2,4-DICHLOROPHENOL	1	11	11	2.1	U	
65-85-0	BENZOIC ACID	1	53	53	11	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	11	11	2.1	U	
91-20-3	NAPHTHALENE	1	11	11	2.1	U	
106-47-8	4-CHLOROANILINE	1	11	11	3.8	U	
87-68-3	HEXACHLOROBUTADIENE	1	11	11	2.1	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-S
Lab ID: 0904081-2

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5954

Sample Aliquot: 945 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
59-50-7	4-CHLORO-3-METHYLPHENOL	1	11	11	2.1	U	
91-57-6	2-METHYLNAPHTHALENE	1	11	11	2.1	U	
90-12-0	1-METHYLNAPHTHALENE	1	11	11	2.1	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	11	11	2.3	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	11	11	2.1	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	11	11	2.1	U	
91-58-7	2-CHLORONAPHTHALENE	1	11	11	2.1	U	
88-74-4	2-NITROANILINE	1	21	21	4.2	U	
131-11-3	DIMETHYL PHTHALATE	1	11	11	2.1	U	
606-20-2	2,6-DINITROTOLUENE	1	11	11	2.1	U	
208-96-8	ACENAPHTHYLENE	1	11	11	2.1	U	
99-09-2	3-NITROANILINE	1	21	21	4.2	U	
83-32-9	ACENAPHTHENE	1	11	11	2.1	U	
51-28-5	2,4-DINITROPHENOL	1	21	21	4.7	U	
100-02-7	4-NITROPHENOL	1	21	21	4.3	U	
132-64-9	DIBENZOFURAN	1	11	11	2.1	U	
121-14-2	2,4-DINITROTOLUENE	1	11	11	2.1	U	
84-66-2	DIETHYL PHTHALATE	1	11	11	2.1	U	
86-73-7	FLUORENE	1	11	11	2.1	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	11	11	2.1	U	
100-01-6	4-NITROANILINE	1	21	21	4.2	U	
103-33-3	AZOBENZENE	1	11	11	2.1	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	21	21	4.2	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	11	11	2.1	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	11	11	2.1	U	
118-74-1	HEXACHLOROBENZENE	1	11	11	2.1	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-S
Lab ID: 0904081-2

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5954

Sample Aliquot: 945 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
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	11	11	2.1	U	
87-86-5	PENTACHLOROPHENOL	1	21	21	4.2	U	
85-01-8	PHENANTHRENE	1	11	11	2.1	U	
120-12-7	ANTHRACENE	1	11	11	2.1	U	
86-74-8	CARBAZOLE	1	11	11	2.1	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	11	11	2.1	U	
206-44-0	FLUORANTHENE	1	11	11	2.1	U	
129-00-0	PYRENE	1	11	11	2.1	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	11	11	2.1	U	
56-55-3	BENZO(A)ANTHRACENE	1	11	11	2.1	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	11	11	3.3	U	
218-01-9	CHRYSENE	1	11	11	2.1	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	11	11	2.1	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	11	11	2.1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	11	11	2.1	U	
207-08-9	BENZO(K)FLUORANTHENE	1	11	11	2.1	U	
50-32-8	BENZO(A)PYRENE	1	11	11	2.1	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	11	11	2.1	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	11	11	2.1	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	11	11	2.1	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-S
Lab ID: 0904081-2

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5954

Sample Aliquot: 945 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	52.3		79.4	66	23 - 100
321-60-8	2-FLUOROBIPHENYL	43.7		52.9	83	21 - 106
367-12-4	2-FLUOROPHENOL	61.2		79.4	77	21 - 100
4165-60-0	NITROBENZENE-D5	39.8		52.9	75	34 - 111
4165-62-2	PHENOL-D5	60.2		79.4	76	15 - 104
1718-51-0	TERPHENYL-D14	49.4		52.9	93	33 - 111

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-S
Lab ID: 0904081-9

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5955

Sample Aliquot: 975 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
110-86-1	PYRIDINE	1	10	10	2.1	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	0.61	U	
62-53-3	ANILINE	1	10	10	4.4	U	
108-95-2	PHENOL	1	10	10	2.1	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	2.1	U	
95-57-8	2-CHLOROPHENOL	1	10	10	2.1	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	2.1	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	2.1	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	2.1	U	
100-51-6	BENZYL ALCOHOL	1	10	10	2.1	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	2.1	U	
95-48-7	2-METHYLPHENOL	1	10	10	2.1	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	2.1	U	
108-39-4	3+4-METHYLPHENOL	1	10	10	2.1	U	
67-72-1	HEXACHLOROETHANE	1	10	10	2.1	U	
98-95-3	NITROBENZENE	1	10	10	2.1	U	
78-59-1	ISOPHORONE	1	10	10	2.1	U	
88-75-5	2-NITROPHENOL	1	10	10	2.1	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	2.1	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	2.1	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	2.1	U	
65-85-0	BENZOIC ACID	1	51	51	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	2.1	U	
91-20-3	NAPHTHALENE	1	10	10	2.1	U	
106-47-8	4-CHLOROANILINE	1	10	10	3.7	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	2.1	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-S
Lab ID: 0904081-9

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5955

Sample Aliquot: 975 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
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	2.1	U	
91-57-6	2-METHYLNAPHTHALENE	1	10	10	2.1	U	
90-12-0	1-METHYLNAPHTHALENE	1	10	10	2.1	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	2.2	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	2.1	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	2.1	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	2.1	U	
88-74-4	2-NITROANILINE	1	21	21	4.1	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	2.1	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	2.1	U	
208-96-8	ACENAPHTHYLENE	1	10	10	2.1	U	
99-09-2	3-NITROANILINE	1	21	21	4.1	U	
83-32-9	ACENAPHTHENE	1	10	10	2.1	U	
51-28-5	2,4-DINITROPHENOL	1	21	21	4.5	U	
100-02-7	4-NITROPHENOL	1	21	21	4.1	U	
132-64-9	DIBENZOFURAN	1	10	10	2.1	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	2.1	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	2.1	U	
86-73-7	FLUORENE	1	10	10	2.1	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	2.1	U	
100-01-6	4-NITROANILINE	1	21	21	4.1	U	
103-33-3	AZOBENZENE	1	10	10	2.1	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	21	21	4.1	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	2.1	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	2.1	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	2.1	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-S
Lab ID: 0904081-9

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5955

Sample Aliquot: 975 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
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	10	10	2.1	U	
87-86-5	PENTACHLOROPHENOL	1	21	21	4.1	U	
85-01-8	PHENANTHRENE	1	10	10	2.1	U	
120-12-7	ANTHRACENE	1	10	10	2.1	U	
86-74-8	CARBAZOLE	1	10	10	2.1	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	2.1	U	
206-44-0	FLUORANTHENE	1	10	10	2.1	U	
129-00-0	PYRENE	1	10	10	2.1	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	2.1	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	2.1	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	10	10	3.2	U	
218-01-9	CHRYSENE	1	10	10	2.1	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	2.1	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	2.1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	2.1	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	2.1	U	
50-32-8	BENZO(A)PYRENE	1	10	10	2.1	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	2.1	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	2.1	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	2.1	U	

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-S
Lab ID: 0904081-9

Analysis ReqCode: 115

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 16-Apr-09
Prep Method: SW3520 Rev C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: As Received
File Name: N5955

Sample Aliquot: 975 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	51.5		76.9	67	23 - 100
321-60-8	2-FLUOROBIPHENYL	43.4		51.3	85	21 - 106
367-12-4	2-FLUOROPHENOL	61.3		76.9	80	21 - 100
4165-60-0	NITROBENZENE-D5	39.8		51.3	78	34 - 111
4165-62-2	PHENOL-D5	60.2		76.9	78	15 - 104
1718-51-0	TERPHENYL-D14	45.9		51.3	90	33 - 111

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: EX090413-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 04/13/2009
Date Analyzed: 04/16/2009
Prep Method: SW3520C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: N/A
File Name: N5952

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
108-95-2	PHENOL	75	56.9	10		76	49 - 101%
95-57-8	2-CHLOROPHENOL	75	60.9	10		81	37 - 106%
106-46-7	1,4-DICHLOROBENZENE	50	37	10		74	32 - 98%
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	50	35.1	10		70	34 - 128%
120-82-1	1,2,4-TRICHLOROBENZENE	50	39.3	10		79	37 - 107%
59-50-7	4-CHLORO-3-METHYLPHENOL	75	61.5	10		82	47 - 111%
83-32-9	ACENAPHTHENE	50	39.6	10		79	47 - 108%
100-02-7	4-NITROPHENOL	75	42.1	20		56	21 - 119%
121-14-2	2,4-DINITROTOLUENE	50	40.7	10		81	51 - 118%
87-86-5	PENTACHLOROPHENOL	75	51.4	20		68	38 - 117%
129-00-0	PYRENE	50	48.6	10		97	49 - 128%

Data Package ID: *SV0904081-1*

GC/MS Semi-volatiles

Method SW8270D

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: EX090413-1LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 04/13/2009
Date Analyzed: 04/16/2009
Prep Method: SW3520C

Prep Batch: EX090413-1
QCBatchID: EX090413-1-1
Run ID: SV090416-1
Cleanup: NONE
Basis: N/A
File Name: N5953

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

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
108-95-2	PHENOL	75	56.7	10		76	40	0
95-57-8	2-CHLOROPHENOL	75	60.2	10		80	42	1
106-46-7	1,4-DICHLOROBENZENE	50	37	10		74	50	0
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	50	35.1	10		70	44	0
120-82-1	1,2,4-TRICHLOROBENZENE	50	38.8	10		78	42	1
59-50-7	4-CHLORO-3-METHYLPHENOL	75	60.5	10		81	35	2
83-32-9	ACENAPHTHENE	50	37.4	10		75	43	6
100-02-7	4-NITROPHENOL	75	42.3	20		56	48	0
121-14-2	2,4-DINITROTOLUENE	50	40	10		80	40	2
87-86-5	PENTACHLOROPHENOL	75	52.9	20		71	44	3
129-00-0	PYRENE	50	49.2	10		98	48	1

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	76		71		23 - 100
321-60-8	2-FLUOROBIPHENYL	50	85		83		21 - 106
367-12-4	2-FLUOROPHENOL	75	77		78		21 - 100
4165-60-0	NITROBENZENE-D5	50	77		77		34 - 111
4165-62-2	PHENOL-D5	75	77		78		15 - 104
1718-51-0	TERPHENYL-D14	50	98		98		33 - 111

Data Package ID: *SV0904081-1*

ALS Paragon

GC/MS Volatiles

Case Narrative

NMED Hazardous Waste Bureau

MWL

Work Order Number: 0904081

1. This report consists of 4 water samples. The samples were received cool and intact by ALS Paragon on 04/09/09. All aqueous samples were free of headspace prior to analysis.

2. These samples were prepared according to SW-846, 3rd Edition procedures. Specifically, the water samples were prepared by purging 10 mL 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 12 based on SW-846 Method 8260B. 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 for SPCC's and CCC's were met. If average response factors were used in the initial calibration, %RSD was ≤15%. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) ≥0.99.

5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All target compounds in the second source verification had a %D of less than 25%.

6. All criteria for SPCC's and CCC's were met in daily (continuing) calibration verifications (CCV).

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 Paragon 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 VL090413-2MB had methylene chloride detected below the reporting limit. This compound was not detected in the associated samples.

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 3.

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

SY

Sharon L. Jobes
Organics Primary Data Reviewer

4-15-09
Date

Stan D. White

Organics Final Data Reviewer

4-15-09
Date

ALS Paragon
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 Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0904081
Client Name: NMED Hazardous Waste Bureau
Client Project Name: MWL
Client Project Number:
Client PO Number: 06-667-55-01754

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-8-1-V	0904081-1		WATER	07-Apr-09	11:20
MW-8-1-S	0904081-2		WATER	07-Apr-09	11:27
MW-8-1-M	0904081-3		WATER	07-Apr-09	11:25
MW-8-1-AB	0904081-4		WATER	07-Apr-09	11:30
MW-8-1-G	0904081-5		WATER	07-Apr-09	11:32
MW-8-2B-V	0904081-6		WATER	07-Apr-09	14:00
MW-8-2B-M	0904081-7		WATER	07-Apr-09	14:01
MW-7-1-V	0904081-8		WATER	08-Apr-09	9:23
MW-7-1-S	0904081-9		WATER	08-Apr-09	9:24
MW-7-1-M	0904081-10		WATER	08-Apr-09	9:30
MW-7-1-AB	0904081-11		WATER	08-Apr-09	9:38
MW-7-1-G	0904081-12		WATER	08-Apr-09	9:43
Trip Blank	0904081-13		WATER	08-Apr-09	

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one) **Standard** or **Rush (Due** _____ **)** Dispose: **Date** JUNE 15 or **Return to Client**

Report To: SID BRANDWEIN
Phone: 505-222-9504
Fax: 505, 222-9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address: 5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311	TCLP Metals SW1311 Hg	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2 SW9040B SW9045C	pH	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-8-1-V	4/7	11:20	1	W	HCl	3	✓																									
MW-8-1-S	4/7	11:27	2	W	-	1			✓																							
MW-8-1-M	4/7	11:25	3	W	HNO3	1										✓																
MW-8-1-AB	4/7	11:30	4	W	HNO3	1																			✓						✓	
MW-8-1-G	4/7	11:32	5	W	HNO3	1																										
MW-8-2B-V	4/7	2:00p	6	W	HCl	3	✓																									
MW-8-2B-M	4/7	2:00p	7	W	HNO3	1										✓																

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

Comments: SEND INVOICE TO:
D. COBRAIN / L. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

*METALS - TAL, Hg, Sn

Relinquished By (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

Form 202r6.xls (6/16/06)

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 2 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date JUNE 15 or Return to Client

Report To: SID BRANDWEIN
Phone: 505- ~~291-910~~ 222-9504
Fax: 505. 222 -9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address:
5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-7-1-V	4/8	9:23	8	W	HCl	3	✓																									
MW-7-1-S	4/8	9:24	9	W	–	1			✓																							
MW-7-1-M	4/8	9:30	10	W	HNO3	1										✓																
MW-7-1-AB	4/8	9:35	11	W	HNO3	1																			✓							
MW-7-1-G	4/8	9:43	12	W	HNO3	1																									✓	
TRIP BLANK			13				✓																									

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

Comments: SEND INVOICE TO:
D. COBRAIN / C. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

* METALS - TAL, Hg, Sn

Form 202r6.xls (6/16/06)

Relinquished By: (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30 AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: NMED

Workorder No: 0904081

Project Manager: LRS

Initials: LJO

Date: 4/9/09

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.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble:** X < green pea ____ > green pea	N/A	YES	(NO) +
15.	Do 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):	0.4							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
Background µR/hr reading:	11							

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.

*Samples #8 thru 13 did not have custody seals on the bubble bags. Please see COC for cross reference IDs. Noted.

+Sample # 13: 2 of 3 40 ml vial contain headspace < pea. Noted.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid B Date/Time: 4/9

Project Manager Signature / Date: 4/9/09

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

FedEx Express — **US Airbill**

FedEx Tracking Number: 8641 3910 7367

Recipient's Copy

RECIPIENT: PEEL HERE

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

Date 4/8/09 FedEx Tracking Number 864139107367

Sender's Name S. BRANDWEIN Phone 505 222-9504

Company NMED

Address 5500 SAN ANTONIO DR. NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference NMED HWB

3 To

Recipient's Name SAMPLE RECEIVING Phone 970 490-1311

Company PARAGON

Recipient's Address 225 COMMERCE DR

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 FORT COLLINS State CO ZIP 80524-2762

0373281941

8641 3910 7367

4a Express Package Service 19

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available. (Packages over 150 lbs.)
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] 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

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available. (Packages over 150 lbs.)

* Call for Confirmation: **To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

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

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

- [ ] Cargo Aircraft Only

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

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain Recip. Acct. No. [ ]

Total Packages: [redacted] 15 [redacted] Total Weight: [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.

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

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GC/MS Volatiles

Method SW8260_25B

Method Blank

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: VL090413-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: N/A
File Name: B56318

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
75-71-8	DICHLORODIFLUOROMETHANE	1	1	1	0.17	U	
74-87-3	CHLOROMETHANE	1	1	1	0.17	U	
75-01-4	VINYL CHLORIDE	1	1	1	0.17	U	
74-83-9	BROMOMETHANE	1	1	1	0.25	U	
75-00-3	CHLOROETHANE	1	1	1	0.25	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	0.17	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	0.17	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET	1	1	1	0.17	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	1	1	0.17	U	
75-15-0	CARBON DISULFIDE	1	1	1	0.17	U	
75-09-2	METHYLENE CHLORIDE	1	0.31	1	0.17	J	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.24	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	0.17	U	
108-05-4	VINYL ACETATE	1	2	2	0.27	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
78-93-3	2-BUTANONE	1	10	10	1.7	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.21	U	
67-66-3	CHLOROFORM	1	1	1	0.17	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.17	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	0.17	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	0.17	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	0.17	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	0.17	U	
71-43-2	BENZENE	1	1	1	0.17	U	
79-01-6	TRICHLOROETHENE	1	1	1	0.17	U	
78-87-5	1,2-DICHLOROPROPANE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Method Blank

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: VL090413-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: N/A
File Name: B56318

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
74-95-3	DIBROMOMETHANE	1	1	1	0.18	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	0.17	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	1.7	U	
108-88-3	TOLUENE	1	1	1	0.17	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	0.2	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	1	1	0.17	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	0.18	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.17	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.17	U	
544-10-5	1-CHLOROHEXANE	1	1	1	0.28	U	
108-90-7	CHLOROBENZENE	1	1	1	0.17	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	0.17	U	
100-41-4	ETHYLBENZENE	1	1	1	0.17	U	
136777-61-2	M+P-XYLENE	1	1	1	0.19	U	
95-47-6	O-XYLENE	1	1	1	0.17	U	
100-42-5	STYRENE	1	1	1	0.17	U	
75-25-2	BROMOFORM	1	1	1	0.17	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	0.17	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	0.49	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	0.17	U	
108-86-1	BROMOBENZENE	1	1	1	0.17	U	
103-65-1	N-PROPYLBENZENE	1	1	1	0.17	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	0.17	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	0.17	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B
Method Blank

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: VL090413-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: N/A
File Name: B56318

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	1	1	0.18	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	0.17	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	0.17	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	0.17	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	0.17	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	0.17	U	
104-51-8	N-BUTYLBENZENE	1	1	1	0.17	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	0.17	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.64	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	0.17	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	0.18	U	
91-20-3	NAPHTHALENE	1	1	1	0.17	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	0.2	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	23.5		25	94	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	26.2		25	105	80 - 124
2037-26-5	TOLUENE-D8	25.3		25	101	81 - 119

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-V
Lab ID: 0904081-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56324

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	1	1	0.17	U	
74-87-3	CHLOROMETHANE	1	1	1	0.17	U	
75-01-4	VINYL CHLORIDE	1	1	1	0.17	U	
74-83-9	BROMOMETHANE	1	1	1	0.25	U	
75-00-3	CHLOROETHANE	1	1	1	0.25	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	0.17	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	0.17	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1	1	1	0.17	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	1	1	0.17	U	
75-15-0	CARBON DISULFIDE	1	1	1	0.17	U	
75-09-2	METHYLENE CHLORIDE	1	1	1	0.17	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.24	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	0.17	U	
108-05-4	VINYL ACETATE	1	2	2	0.27	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
78-93-3	2-BUTANONE	1	10	10	1.7	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.21	U	
67-66-3	CHLOROFORM	1	1	1	0.17	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.17	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	0.17	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	0.17	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	0.17	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	0.17	U	
71-43-2	BENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-V
Lab ID: 0904081-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56324

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
79-01-6	TRICHLOROETHENE	1	0.17	1	0.17	J	
78-87-5	1,2-DICHLOROPROPANE	1	1	1	0.17	U	
74-95-3	DIBROMOMETHANE	1	1	1	0.18	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	0.17	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	1.7	U	
108-88-3	TOLUENE	1	0.5	1	0.17	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	0.2	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	1	1	0.17	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	0.18	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.17	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.17	U	
544-10-5	1-CHLOROHEXANE	1	1	1	0.28	U	
108-90-7	CHLOROBENZENE	1	1	1	0.17	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	0.17	U	
100-41-4	ETHYLBENZENE	1	1	1	0.17	U	
136777-61-2	M+P-XYLENE	1	1	1	0.19	U	
95-47-6	O-XYLENE	1	1	1	0.17	U	
100-42-5	STYRENE	1	1	1	0.17	U	
75-25-2	BROMOFORM	1	1	1	0.17	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	0.17	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	0.49	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	0.17	U	
108-86-1	BROMOBENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-V
Lab ID: 0904081-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56324

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
103-65-1	N-PROPYLBENZENE	1	1	1	0.17	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	0.17	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	0.17	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	0.17	U	
98-06-6	TERT-BUTYLBENZENE	1	1	1	0.18	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	0.17	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	0.17	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	0.17	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	0.17	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	0.17	U	
104-51-8	N-BUTYLBENZENE	1	1	1	0.17	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	0.17	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.64	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	0.17	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	0.18	U	
91-20-3	NAPHTHALENE	1	1	1	0.17	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	0.2	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-V
Lab ID: 0904081-1

Analysis ReqCode: **101**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56324

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	24.1		25	97	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	27.1		25	108	80 - 124
2037-26-5	TOLUENE-D8	25.9		25	104	81 - 119

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-2B-V
Lab ID: 0904081-6

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56323

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	1	1	0.17	U	
74-87-3	CHLOROMETHANE	1	1	1	0.17	U	
75-01-4	VINYL CHLORIDE	1	1	1	0.17	U	
74-83-9	BROMOMETHANE	1	1	1	0.25	U	
75-00-3	CHLOROETHANE	1	1	1	0.25	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	0.17	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	0.17	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1	1	1	0.17	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	1	1	0.17	U	
75-15-0	CARBON DISULFIDE	1	1	1	0.17	U	
75-09-2	METHYLENE CHLORIDE	1	1	1	0.17	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.24	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	0.17	U	
108-05-4	VINYL ACETATE	1	2	2	0.27	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
78-93-3	2-BUTANONE	1	10	10	1.7	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.21	U	
67-66-3	CHLOROFORM	1	1	1	0.17	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.17	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	0.17	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	0.17	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	0.17	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	0.17	U	
71-43-2	BENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-2B-V
Lab ID: 0904081-6

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56323

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
79-01-6	TRICHLOROETHENE	1	1	1	0.17	U	
78-87-5	1,2-DICHLOROPROPANE	1	1	1	0.17	U	
74-95-3	DIBROMOMETHANE	1	1	1	0.18	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	0.17	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	1.7	U	
108-88-3	TOLUENE	1	1	1	0.17	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	0.2	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	1	1	0.17	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	0.18	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.17	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.17	U	
544-10-5	1-CHLOROHEXANE	1	1	1	0.28	U	
108-90-7	CHLOROBENZENE	1	1	1	0.17	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	0.17	U	
100-41-4	ETHYLBENZENE	1	1	1	0.17	U	
136777-61-2	M+P-XYLENE	1	1	1	0.19	U	
95-47-6	O-XYLENE	1	1	1	0.17	U	
100-42-5	STYRENE	1	1	1	0.17	U	
75-25-2	BROMOFORM	1	1	1	0.17	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	0.17	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	0.49	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	0.17	U	
108-86-1	BROMOBENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-2B-V
Lab ID: 0904081-6

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56323

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
103-65-1	N-PROPYLBENZENE	1	1	1	0.17	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	0.17	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	0.17	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	0.17	U	
98-06-6	TERT-BUTYLBENZENE	1	1	1	0.18	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	0.17	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	0.17	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	0.17	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	0.17	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	0.17	U	
104-51-8	N-BUTYLBENZENE	1	1	1	0.17	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	0.17	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.64	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	0.17	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	0.18	U	
91-20-3	NAPHTHALENE	1	1	1	0.17	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	0.2	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-2B-V
Lab ID: 0904081-6

Analysis ReqCode: **101**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56323

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	23.6		25	94	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	26.8		25	107	80 - 124
2037-26-5	TOLUENE-D8	25.2		25	101	81 - 119

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-V
Lab ID: 0904081-8

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56322

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	1	1	0.17	U	
74-87-3	CHLOROMETHANE	1	1	1	0.17	U	
75-01-4	VINYL CHLORIDE	1	1	1	0.17	U	
74-83-9	BROMOMETHANE	1	1	1	0.25	U	
75-00-3	CHLOROETHANE	1	1	1	0.25	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	0.17	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	0.17	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1	1	1	0.17	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	1	1	0.17	U	
75-15-0	CARBON DISULFIDE	1	0.36	1	0.17	J	
75-09-2	METHYLENE CHLORIDE	1	1	1	0.17	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.24	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	0.17	U	
108-05-4	VINYL ACETATE	1	2	2	0.27	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
78-93-3	2-BUTANONE	1	10	10	1.7	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.21	U	
67-66-3	CHLOROFORM	1	1	1	0.17	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.17	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	0.17	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	0.17	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	0.17	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	0.17	U	
71-43-2	BENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-V
Lab ID: 0904081-8

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56322

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
79-01-6	TRICHLOROETHENE	1	1	1	0.17	U	
78-87-5	1,2-DICHLOROPROPANE	1	1	1	0.17	U	
74-95-3	DIBROMOMETHANE	1	1	1	0.18	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	0.17	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	1.7	U	
108-88-3	TOLUENE	1	0.27	1	0.17	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	0.2	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	1	1	0.17	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	0.18	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.17	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.17	U	
544-10-5	1-CHLOROHEXANE	1	1	1	0.28	U	
108-90-7	CHLOROBENZENE	1	1	1	0.17	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	0.17	U	
100-41-4	ETHYLBENZENE	1	1	1	0.17	U	
136777-61-2	M+P-XYLENE	1	1	1	0.19	U	
95-47-6	O-XYLENE	1	1	1	0.17	U	
100-42-5	STYRENE	1	1	1	0.17	U	
75-25-2	BROMOFORM	1	1	1	0.17	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	0.17	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	0.49	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	0.17	U	
108-86-1	BROMOBENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-V
Lab ID: 0904081-8

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56322

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
103-65-1	N-PROPYLBENZENE	1	1	1	0.17	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	0.17	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	0.17	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	0.17	U	
98-06-6	TERT-BUTYLBENZENE	1	1	1	0.18	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	0.17	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	0.17	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	0.17	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	0.17	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	0.17	U	
104-51-8	N-BUTYLBENZENE	1	1	1	0.17	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	0.17	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.64	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	0.17	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	0.18	U	
91-20-3	NAPHTHALENE	1	1	1	0.17	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	0.2	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-V
Lab ID: 0904081-8

Analysis ReqCode: **101**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56322

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	23.9		25	96	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	27.1		25	108	80 - 124
2037-26-5	TOLUENE-D8	25.8		25	103	81 - 119

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: Trip Blank
Lab ID: 0904081-13

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56321

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	1	1	0.17	U	
74-87-3	CHLOROMETHANE	1	1	1	0.17	U	
75-01-4	VINYL CHLORIDE	1	1	1	0.17	U	
74-83-9	BROMOMETHANE	1	1	1	0.25	U	
75-00-3	CHLOROETHANE	1	1	1	0.25	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	1	1	0.17	U	
75-35-4	1,1-DICHLOROETHENE	1	1	1	0.17	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1	1	1	0.17	U	
67-64-1	ACETONE	1	10	10	3.3	U	
74-88-4	IODOMETHANE	1	1	1	0.17	U	
75-15-0	CARBON DISULFIDE	1	1	1	0.17	U	
75-09-2	METHYLENE CHLORIDE	1	1	1	0.17	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	1	1	0.24	U	
75-34-3	1,1-DICHLOROETHANE	1	1	1	0.17	U	
108-05-4	VINYL ACETATE	1	2	2	0.27	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	1	1	0.17	U	
78-93-3	2-BUTANONE	1	10	10	1.7	U	
74-97-5	BROMOCHLOROMETHANE	1	1	1	0.21	U	
67-66-3	CHLOROFORM	1	1	1	0.17	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	1	1	0.17	U	
594-20-7	2,2-DICHLOROPROPANE	1	1	1	0.17	U	
56-23-5	CARBON TETRACHLORIDE	1	1	1	0.17	U	
563-58-6	1,1-DICHLOROPROPENE	1	1	1	0.17	U	
107-06-2	1,2-DICHLOROETHANE	1	1	1	0.17	U	
71-43-2	BENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: Trip Blank
Lab ID: 0904081-13

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56321

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
79-01-6	TRICHLOROETHENE	1	1	1	0.17	U	
78-87-5	1,2-DICHLOROPROPANE	1	1	1	0.17	U	
74-95-3	DIBROMOMETHANE	1	1	1	0.18	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	0.17	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	1.7	U	
108-88-3	TOLUENE	1	1	1	0.17	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	0.17	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	0.2	U	
591-78-6	2-HEXANONE	1	10	10	3.3	U	
127-18-4	TETRACHLOROETHENE	1	1	1	0.17	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	0.18	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	0.17	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	0.17	U	
544-10-5	1-CHLOROHEXANE	1	1	1	0.28	U	
108-90-7	CHLOROBENZENE	1	1	1	0.17	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	0.17	U	
100-41-4	ETHYLBENZENE	1	1	1	0.17	U	
136777-61-2	M+P-XYLENE	1	1	1	0.19	U	
95-47-6	O-XYLENE	1	1	1	0.17	U	
100-42-5	STYRENE	1	1	1	0.17	U	
75-25-2	BROMOFORM	1	1	1	0.17	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	0.17	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	0.49	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	0.17	U	
108-86-1	BROMOBENZENE	1	1	1	0.17	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: Trip Blank
Lab ID: 0904081-13

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56321

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
103-65-1	N-PROPYLBENZENE	1	1	1	0.17	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	0.17	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	0.17	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	0.17	U	
98-06-6	TERT-BUTYLBENZENE	1	1	1	0.18	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	1	1	0.17	U	
135-98-8	SEC-BUTYLBENZENE	1	1	1	0.17	U	
541-73-1	1,3-DICHLOROBENZENE	1	1	1	0.17	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1	1	0.17	U	
106-46-7	1,4-DICHLOROBENZENE	1	1	1	0.17	U	
104-51-8	N-BUTYLBENZENE	1	1	1	0.17	U	
95-50-1	1,2-DICHLOROBENZENE	1	1	1	0.17	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	2	2	0.64	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	1	1	0.17	U	
87-68-3	HEXACHLOROBUTADIENE	1	1	1	0.18	U	
91-20-3	NAPHTHALENE	1	1	1	0.17	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	1	1	0.2	U	

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: Trip Blank
Lab ID: 0904081-13

Analysis ReqCode: **101**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 13-Apr-09
Date Analyzed: 13-Apr-09
Prep Method: SW5030 Rev C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: As Received
File Name: B56321

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	23.6		25	94	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	26.7		25	107	80 - 124
2037-26-5	TOLUENE-D8	25.6		25	102	81 - 119

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: VL090413-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 04/13/2009
Date Analyzed: 04/13/2009
Prep Method: SW5030C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: N/A
File Name: B56315

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

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	10	9.23	1		92	75 - 126%
71-43-2	BENZENE	10	9.61	1		96	82 - 122%
79-01-6	TRICHLOROETHENE	10	9.68	1		97	82 - 121%
108-88-3	TOLUENE	10	9.5	1		95	83 - 121%
108-90-7	CHLOROBENZENE	10	9.74	1		97	82 - 121%

Lab ID: VL090413-2LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 04/13/2009
Date Analyzed: 04/13/2009
Prep Method: SW5030C

Prep Batch: VL090413-2
QCBatchID: VL090413-2-2
Run ID: VL090413-2A
Cleanup: NONE
Basis: N/A
File Name: B56316

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

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-35-4	1,1-DICHLOROETHENE	10	8.96	1		90	20	3
71-43-2	BENZENE	10	9.59	1		96	20	0
79-01-6	TRICHLOROETHENE	10	9.71	1		97	20	0
108-88-3	TOLUENE	10	9.69	1		97	20	2
108-90-7	CHLOROBENZENE	10	9.87	1		99	20	1

Data Package ID: *VL0904081-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

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	94		93		78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	25	106		104		80 - 124
2037-26-5	TOLUENE-D8	25	99		99		81 - 119

Data Package ID: *VL0904081-1*

ALS Paragon

Gross Alpha/Beta
Case Narrative

NMED Hazardous Waste Bureau

MWL

Work Order Number: 0904081

1. This report consists of the analytical results for two water samples received by ALS Paragon on 04/09/2009.

2. These samples were prepared according to SOP702R19.

3. The samples were analyzed for gross alpha and beta activity by gas flow proportional counting according to SOP724R10. The analyses were completed on 04/17/2009. Gross alpha results are referenced to ^{241}Am. Gross beta results are referenced to ^{90}Sr/Y.

4. The analysis results for these samples are reported in units of pCi/L. The samples were not filtered prior to analysis.

5. No anomalous situations were encountered during the preparation or analysis of these samples. All quality control criteria were met.

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

Jean Anderson — 4/28/09
Jean Anderson — Date
Radiochemistry Primary Data Reviewer

Radiochemistry Final Data Reviewer — 04/30/09
Date

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0904081
Client Name: NMED Hazardous Waste Bureau
Client Project Name: MWL
Client Project Number:
Client PO Number: 06-667-55-01754

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-8-1-V	0904081-1		WATER	07-Apr-09	11:20
MW-8-1-S	0904081-2		WATER	07-Apr-09	11:27
MW-8-1-M	0904081-3		WATER	07-Apr-09	11:25
MW-8-1-AB	0904081-4		WATER	07-Apr-09	11:30
MW-8-1-G	0904081-5		WATER	07-Apr-09	11:32
MW-8-2B-V	0904081-6		WATER	07-Apr-09	14:00
MW-8-2B-M	0904081-7		WATER	07-Apr-09	14:01
MW-7-1-V	0904081-8		WATER	08-Apr-09	9:23
MW-7-1-S	0904081-9		WATER	08-Apr-09	9:24
MW-7-1-M	0904081-10		WATER	08-Apr-09	9:30
MW-7-1-AB	0904081-11		WATER	08-Apr-09	9:38
MW-7-1-G	0904081-12		WATER	08-Apr-09	9:43
Trip Blank	0904081-13		WATER	08-Apr-09	

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one) **Standard** or **Rush (Due** _____ **)** Dispose: **Date** JUNE 15 or **Return to Client**

Report To: SID BRANDWEIN
Phone: 505-222-9504
Fax: 505, 222-9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address: 5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2 SW9040B SW9045C	pH	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-8-1-V	4/7	11:20	1	W	HCl	3	✓																									
MW-8-1-S	4/7	11:27	2	W	-	1			✓																							
MW-8-1-M	4/7	11:25	3	W	HNO3	1										✓																
MW-8-1-AB	4/7	11:30	4	W	HNO3	1																			✓							
MW-8-1-G	4/7	11:32	5	W	HNO3	1																										
MW-8-2B-V	4/7	2:00p	6	W	HCl	3	✓																									
MW-8-2B-M	4/7	2:00p	7	W	HNO3	1										✓																

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

Comments: SEND INVOICE TO:
D. COBRAIN / L. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

*METALS - TAL, Hg, Sn

Relinquished By (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara J Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

Form 202r6.xls (6/16/06)

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 2 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date JUNE 15 or Return to Client

Report To: SID BRANDWEIN
Phone: 505- ~~291-910~~ 222-9504
Fax: 505. 222 -9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address:
5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-7-1-V	4/8	9:23	8	W	HCl	3	✓																									
MW-7-1-S	4/8	9:24	9	W	–	1			✓																							
MW-7-1-M	4/8	9:30	10	W	HNO3	1										✓																
MW-7-1-AB	4/8	9:35	11	W	HNO3	1																			✓							
MW-7-1-G	4/8	9:43	12	W	HNO3	1																									✓	
TRIP BLANK			13				✓																									

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

Comments: SEND INVOICE TO:
D. COBRAIN / C. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

* METALS - TAL, Hg, Sn

Form 202r6.xls (6/16/06)

Relinquished By: (1)	Relinquished By: (2)
Signature: S. Brandwein	Signature:
Printed Name: S. BRANDWEIN	Printed Name:
Date: 4/8/09 Time: 10:30 AM	Date: Time:
Company: NMED	Company:

Received By: (1)	Received By: (2)
Signature: Lara J Orban	Signature:
Printed Name: Lara J Orban	Printed Name:
Date: 4/9/09 Time: 0930	Date: Time:
Company: ALS Paragon	Company:

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: NMED

Workorder No: 0904081

Project Manager: LRS

Initials: LJO

Date: 4/9/09

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.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble:** X < green pea ____ > green pea	N/A	YES	(NO) +
15.	Do 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):	0.4							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
Background µR/hr reading:	11							

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.

*Samples #8 thru 13 did not have custody seals on the bubble bags. Please see COC for cross reference IDs. Noted.

+Sample # 13: 2 of 3 40 ml vial contain headspace < pea. Noted.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid. B Date/Time: 4/9

Project Manager Signature / Date: 4/9/09

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

FedEx Express **US Airbill**

FedEx Tracking Number 8641 3910 7367

Recipient's Copy

RECIPIENT: PEEL HERE

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

Date 4/8/09 FedEx Tracking Number 8641391073 67

Sender's Name S. BRANDWEIN Phone 505 222-9504

Company NMED

Address 5500 SAN ANTONIO DR. NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference NMED HWB

3 To

Recipient's Name SAMPLE RECEIVING Phone 970 490-1311

Company PARAGON

Recipient's Address 225 COMMERCE DR

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 FORT COLLINS State CO ZIP 80524-2762

0373281941

8641 3910 7367

4a Express Package Service 19-2

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available. (Packages over 150 lbs.)
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] 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

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available. (Packages over 150 lbs.)

* Call for Confirmation: **To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

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

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

- [ ] Cargo Aircraft Only

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

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain Recip. Acct. No. [ ]

Total Packages 15 Total Weight

†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.

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

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Rev. Date 10/06•Part #158279•©1994–2006 FedEx•PRINTED IN U.S.A.•SRS

Gross Alpha/Beta Analysis by GFPC

PAI 724 Rev 10

Method Blank Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: AB090410-3MB

Sample Matrix: WATER
Prep SOP: PAI 702 Rev 19
Date Collected: 10-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 17-Apr-09

Prep Batch: AB090410-3
QCBatchID: AB090410-3-3
Run ID: AB090410-3A
Count Time: 1000 minutes

Final Aliquot: 140 ml
Result Units: pCi/l
File Name: ABC0417

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
12587-46-1	GROSS ALPHA	0.37 +/- 0.36	0.58	3	U
12587-47-2	GROSS BETA	-0.58 +/- 0.85	1.4	4	U

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

M - Requested MDC not met.

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested MDC.

Data Package ID: *AB0904081-1*

Gross Alpha/Beta Analysis by GFPC

PAI 724 Rev 10

Laboratory Control Sample(s)

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: AB090410-3LCS

Sample Matrix: WATER
Prep SOP: PAI 702 Rev 19
Date Collected: 10-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 15-Apr-09

Prep Batch: AB090410-3
QCBatchID: AB090410-3-3
Run ID: AB090410-3A
Count Time: 60 minutes

Final Aliquot: 140 ml
Result Units: pCi/l
File Name: ABC0415C

CASNO	Target Nuclide	Results +/- 2s TPU	MDC	Spike Added	% Rec	Control Limits	Lab Qualifier
12587-46-1	GROSS ALPHA	301 +/- 51.3	4.84	324	92.9	70 - 130	P,M3
12587-47-2	GROSS BETA	305 +/- 50.6	12.1	304	100	70 - 130	P,M3

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.
LT - Result is less than Requested MDC, greater than sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
L - LCS Recovery below lower control limit.
H - LCS Recovery above upper control limit.
P - LCS Recovery within control limits.
M - The requested MDC was not met.
M3 - The requested MDC was not met, but thereported activity is greater than the reported MDC.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)
MDC - Minimum Detectable Concentration (see PAI SOP 709)

Data Package ID: *AB0904081-1*

Gross Alpha/Beta Analysis by GFPC

PAI 724 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-AB
Lab ID: 0904081-4

Analysis ReqCode: **300**

Sample Matrix: WATER
Prep SOP: PAI 702 Rev 19
Date Collected: 07-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 16-Apr-09

Prep Batch: AB090410-3
QCBatchID: AB090410-3-3
Run ID: AB090410-3A
Count Time: 300 minutes
Report Basis: Unfiltered

Final Aliquot: 140 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: ABC0416D

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
12587-46-1	GROSS ALPHA	8.4 +/- 2.1	1.5	3	
12587-47-2	GROSS BETA	5.8 +/- 1.8	2.8	4	

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *AB0904081-1*

Gross Alpha/Beta Analysis by GFPC

PAI 724 Rev 10

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-AB
Lab ID: 0904081-11

Analysis ReqCode: **300**

Sample Matrix: WATER
Prep SOP: PAI 702 Rev 19
Date Collected: 08-Apr-09
Date Prepared: 10-Apr-09
Date Analyzed: 16-Apr-09

Prep Batch: AB090410-3
QCBatchID: AB090410-3-3
Run ID: AB090410-3A
Count Time: 300 minutes
Report Basis: Unfiltered

Final Aliquot: 110 ml
Prep Basis: Unfiltered
Moisture(%): NA
Result Units: pCi/l
File Name: ABC0416D

CASNO	Target Nuclide	Result +/- 2 s TPU	MDC	Requested MDC	Lab Qualifier
12587-46-1	GROSS ALPHA	4.8 +/- 1.7	2.0	3	
12587-47-2	GROSS BETA	5.0 +/- 2.1	3.6	4	

Comments:

Qualifiers/Flags:

U - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.

Y2 - Chemical Yield outside default limits.

LT - Result is less than Requested MDC, greater than sample specific MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

M - The requested MDC was not met.

Abbreviations:

TPU - Total Propagated Uncertainty (see PAI SOP 743)

MDC - Minimum Detectable Concentration (see PAI SOP 709)

BDL - Below Detection Limit

Data Package ID: *AB0904081-1*

ALS Paragon

Metals

Case Narrative

NMED Hazardous Waste Bureau

MWL

Work Order Number: 0904081

1. This report consists of 3 water samples.

2. The samples were received cool and intact by ALS Paragon on 04/09/09.

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

4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP, the samples were digested following method 3005A and SOP 806 Rev. 13.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7470A and SOP 812 Rev. 14.

5. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by Trace ICP followed method 6010B and SOP 834 Rev. 7.

   The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution.

   During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7470A and SOP 812 Rev. 14.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$conc. = B * I + C$$

where: conc. = concentration

B = slope coefficient
I = intensity
C = intercept coefficient

A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

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

7. The samples were 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. There were not more than 20 samples in each digestion batch.
- The preparation (method) blank associated with each digestion batch was below the reporting limit for each requested analyte.
- The laboratory control sample associated with each digestion batch was within the acceptance limits. This indicates complete digestions according to the method.
- All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
- 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. Sample dilutions were not required for the requested analyses.

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

Emily Knodel Inorganics Primary Data Reviewer	04-29-09 Date
Inorganics Final Data Reviewer	4/29/09 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 Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected a “U” is entered.

- 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 Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0904081
Client Name: NMED Hazardous Waste Bureau
Client Project Name: MWL
Client Project Number:
Client PO Number: 06-667-55-01754

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-8-1-V	0904081-1		WATER	07-Apr-09	11:20
MW-8-1-S	0904081-2		WATER	07-Apr-09	11:27
MW-8-1-M	0904081-3		WATER	07-Apr-09	11:25
MW-8-1-AB	0904081-4		WATER	07-Apr-09	11:30
MW-8-1-G	0904081-5		WATER	07-Apr-09	11:32
MW-8-2B-V	0904081-6		WATER	07-Apr-09	14:00
MW-8-2B-M	0904081-7		WATER	07-Apr-09	14:01
MW-7-1-V	0904081-8		WATER	08-Apr-09	9:23
MW-7-1-S	0904081-9		WATER	08-Apr-09	9:24
MW-7-1-M	0904081-10		WATER	08-Apr-09	9:30
MW-7-1-AB	0904081-11		WATER	08-Apr-09	9:38
MW-7-1-G	0904081-12		WATER	08-Apr-09	9:43
Trip Blank	0904081-13		WATER	08-Apr-09	

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one) **Standard** or **Rush (Due** _____ **)** Dispose: **Date** JUNE 15 or **Return to Client**

Report To: SID BRANDWEIN
Phone: 505-222-9504
Fax: 505, 222-9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address: 5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311	TCLP Metals SW1311 Hg	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2 SW9040B SW9045C	pH	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-8-1-V	4/7	11:20	1	W	HCl	3	✓																									
MW-8-1-S	4/7	11:27	2	W	-	1			✓																							
MW-8-1-M	4/7	11:25	3	W	HNO3	1										✓																
MW-8-1-AB	4/7	11:30	4	W	HNO3	1																			✓						✓	
MW-8-1-G	4/7	11:32	5	W	HNO3	1																										
MW-8-2B-V	4/7	2:00p	6	W	HCl	3	✓																									
MW-8-2B-M	4/7	2:00p	7	W	HNO3	1										✓																

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

Comments: SEND INVOICE TO:
D. COBRAIN / L. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

*METALS - TAL, Hg, Sn

Relinquished By (1)	Relinquished By: (2)
Signature S. Brandwein	Signature
Printed Name S. BRANDWEIN	Printed Name
Date 4/8/09 Time 10:30AM	Date Time
Company NMED	Company

Received By: (1)	Received By: (2)
Signature Lara Orban	Signature
Printed Name Lara J Orban	Printed Name
Date 4/9/09 Time 0930	Date Time
Company ALS Paragon	Company

Form 202r6.xls (6/16/06)

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904081

Chain-of-Custody Date 4/8/09 Page 2 of 2

Originator: Retain pink copy!

Project Name/No.: MWL Sampler(s): SSB Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date JUNE 15 or Return to Client

Report To: SID BRANDWEIN
Phone: 505- ~~291-910~~ 222-9504
Fax: 505. 222 -9510
E-mail: sid.brandwein@state.nm.us
Company: NMED/HWB
Address:
5500 SAN ANTONIO DR. NE
ALBQ, NM 87109

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs SW8260B	BTEX (only) SW8021B	SVOCs SW8270C	OC Pesticides SW8081A	PCBs SW8082	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 Hg SW6010B 7470	Total Metals by ICP Hg SW6010B 7470 7471 E200.7	Dissolved Metals by ICP Hg SW6010B 7470 E200.7	Total Metals by ICP/MS SW6020A E200.8	Dissolved Metals by ICP/MS SW6020A E200.8	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH SW8015B GRO DRO (circle one or both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 90 (Total RadioSr) D5811-00	Gamma Isotopes E901.1	Radon 222 SM7510Rn
MW-7-1-V	4/8	9:23	8	W	HCl	3	✓																									
MW-7-1-S	4/8	9:24	9	W	–	1			✓																							
MW-7-1-M	4/8	9:30	10	W	HNO3	1										✓																
MW-7-1-AB	4/8	9:35	11	W	HNO3	1																			✓							
MW-7-1-G	4/8	9:43	12	W	HNO3	1																									✓	
TRIP BLANK			13				✓																									

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

Comments: SEND INVOICE TO:
D. COBRAIN / C. HERRERA
NMED / HWB
2905 RODEO PARK DRIVE EAST
SANTA FE, NM 87505

* METALS - TAL, Hg, Sn

Form 202r6.xls (6/16/06)

Relinquished By: (1)	Relinquished By: (2)
Signature: S. Brandwein	Signature:
Printed Name: S. BRANDWEIN	Printed Name:
Date: 4/8/09 Time: 10:30 AM	Date: Time:
Company: NMED	Company:

Received By: (1)	Received By: (2)
Signature: Lara J Orban	Signature:
Printed Name: Lara J Orban	Printed Name:
Date: 4/9/09 Time: 0930	Date: Time:
Company: ALS Paragon	Company:

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: NMED

Workorder No: 0904081

Project Manager: LRS

Initials: LJO

Date: 4/9/09

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.)		(YES)	NO
7.	Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8.	Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	N/A	(YES)	NO
9.	Are all aqueous **non-preserved samples pH 4-9**?	N/A	(YES)	NO
10.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
11.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
13.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14.	Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble:** X < green pea ____ > green pea	N/A	YES	(NO) +
15.	Do 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):	0.4							
No. of custody seals on cooler:	2							
DOT Survey/ Acceptance Information — External µR/hr reading:	14							
Background µR/hr reading:	11							

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.

*Samples #8 thru 13 did not have custody seals on the bubble bags. Please see COC for cross reference IDs. Noted.

+Sample # 13: 2 of 3 40 ml vial contain headspace < pea. Noted.

If applicable, was the client contacted? (YES) / NO / NA Contact: Sid. B Date/Time: 4/9

Project Manager Signature / Date: 4/9/09

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

Form 201r21.xls (7/30/08)

FedEx Express **US Airbill**

FedEx Tracking Number 8641 3910 7367

Recipient's Copy

RECIPIENT: PEEL HERE

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

Date 4/8/09 FedEx Tracking Number 8641391073 67

Sender's Name S. BRANDWEIN Phone 505 222-9504

Company NMED

Address 5500 SAN ANTONIO DR. NE Dept./Floor/Suite/Room

City ALBQ State NM ZIP 87109

2 Your Internal Billing Reference NMED HWB

3 To

Recipient's Name SAMPLE RECEIVING Phone 970 490-1311

Company PARAGON

Recipient's Address 225 COMMERCE DR

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 FORT COLLINS State CO ZIP 80524-2762

0373281941

8641 3910 7367

4a Express Package Service 19-2

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available. (Packages over 150 lbs.)
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] 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

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available. (Packages over 150 lbs.)

* Call for Confirmation: _____ **To most locations.

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

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

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

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

- [ ] Cargo Aircraft Only

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

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- Obtain Recip. Acct. No. [ ]

[redacted] 15 [redacted]

Total Packages Total Weight [redacted] Credit Card Auth.

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

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

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

519

Rev. Date 10/06•Part #158279•©1994–2006 FedEx•PRINTED IN U.S.A.•SRS

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-1-M
Lab ID: 0904081-3

Analysis ReqCode: **202**

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 14-Apr-09
Date Analyzed: 15-Apr-09
Prep Method: SW3005 Rev A

Prep Batch: IP090414-2
QCBatchID: IP090414-2-3
Run ID: IT090415-2A3
Cleanup: NONE
Basis: As Received
File Name: 090415A.

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	IDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.039	0.2	0.0056	B	
7440-36-0	ANTIMONY	1	0.0025	0.02	0.0025	U	
7440-38-2	ARSENIC	1	0.0027	0.01	0.0027	U	
7440-39-3	BARIUM	1	0.12	0.1	0.000068		
7440-41-7	BERYLLIUM	1	0.00016	0.005	0.00016	U	
7440-43-9	CADMIUM	1	0.00049	0.005	0.00049	U	
7440-70-2	CALCIUM	1	59	1	0.0041		
7440-47-3	CHROMIUM	1	0.00058	0.01	0.00058	U	
7440-48-4	COBALT	1	0.00052	0.01	0.00052	U	
7440-50-8	COPPER	1	0.00047	0.01	0.00047	U	
7439-89-6	IRON	1	0.029	0.1	0.0013	B	
7439-92-1	LEAD	1	0.0011	0.003	0.0011	U	
7439-95-4	MAGNESIUM	1	19	1	0.0054		
7439-96-5	MANGANESE	1	0.0034	0.01	0.000097	B	
7440-02-0	NICKEL	1	0.00073	0.02	0.00073	U	
7440-09-7	POTASSIUM	1	5.9	1	0.085		
7782-49-2	SELENIUM	1	0.0031	0.005	0.0031	U	
7440-22-4	SILVER	1	0.00058	0.01	0.00058	U	
7440-23-5	SODIUM	1	43	1	0.004		
7440-28-0	THALLIUM	1	0.0041	0.01	0.0041	U	
7440-31-5	TIN	1	0.0022	0.05	0.0022	U	
7440-62-2	VANADIUM	1	0.00069	0.01	0.00059	B	
7440-66-6	ZINC	1	0.009	0.02	0.00082	B	

Data Package ID: *IT0904081-1*

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-8-2B-M
Lab ID: 0904081-7

Analysis ReqCode: 202

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 07-Apr-09
Date Extracted: 14-Apr-09
Date Analyzed: 15-Apr-09
Prep Method: SW3005 Rev A

Prep Batch: IP090414-2
QCBatchID: IP090414-2-3
Run ID: IT090415-2A3
Cleanup: NONE
Basis: As Received
File Name: 090415A.

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	IDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.025	0.2	0.0056	B	
7440-36-0	ANTIMONY	1	0.0025	0.02	0.0025	U	
7440-38-2	ARSENIC	1	0.0027	0.01	0.0027	U	
7440-39-3	BARIUM	1	0.006	0.1	0.000068	B	
7440-41-7	BERYLLIUM	1	0.00016	0.005	0.00016	U	
7440-43-9	CADMIUM	1	0.00049	0.005	0.00049	U	
7440-70-2	CALCIUM	1	0.058	1	0.0041	B	
7440-47-3	CHROMIUM	1	0.00058	0.01	0.00058	U	
7440-48-4	COBALT	1	0.00052	0.01	0.00052	U	
7440-50-8	COPPER	1	0.00047	0.01	0.00047	U	
7439-89-6	IRON	1	0.0013	0.1	0.0013	U	
7439-92-1	LEAD	1	0.0011	0.003	0.0011	U	
7439-95-4	MAGNESIUM	1	0.0054	1	0.0054	U	
7439-96-5	MANGANESE	1	0.000097	0.01	0.000097	U	
7440-02-0	NICKEL	1	0.00073	0.02	0.00073	U	
7440-09-7	POTASSIUM	1	0.2	1	0.085	B	
7782-49-2	SELENIUM	1	0.0031	0.005	0.0031	U	
7440-22-4	SILVER	1	0.00058	0.01	0.00058	U	
7440-23-5	SODIUM	1	0.19	1	0.004	B	
7440-28-0	THALLIUM	1	0.0041	0.01	0.0041	U	
7440-31-5	TIN	1	0.0022	0.05	0.0022	U	
7440-62-2	VANADIUM	1	0.00059	0.01	0.00059	U	
7440-66-6	ZINC	1	0.00082	0.02	0.00082	U	

Data Package ID: *IT0904081-1*

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Field ID: MW-7-1-M
Lab ID: 0904081-10

Analysis ReqCode: 202

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 08-Apr-09
Date Extracted: 14-Apr-09
Date Analyzed: 15-Apr-09
Prep Method: SW3005 Rev A

Prep Batch: IP090414-2
QCBatchID: IP090414-2-3
Run ID: IT090415-2A3
Cleanup: NONE
Basis: As Received
File Name: 090415A.

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

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	IDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.037	0.2	0.0056	B	
7440-36-0	ANTIMONY	1	0.0025	0.02	0.0025	U	
7440-38-2	ARSENIC	1	0.0027	0.01	0.0027	U	
7440-39-3	BARIUM	1	0.1	0.1	0.000068	B	
7440-41-7	BERYLLIUM	1	0.00016	0.005	0.00016	U	
7440-43-9	CADMIUM	1	0.00049	0.005	0.00049	U	
7440-70-2	CALCIUM	1	57	1	0.0041		
7440-47-3	CHROMIUM	1	0.00058	0.01	0.00058	U	
7440-48-4	COBALT	1	0.00052	0.01	0.00052	U	
7440-50-8	COPPER	1	0.00047	0.01	0.00047	U	
7439-89-6	IRON	1	0.018	0.1	0.0013	B	
7439-92-1	LEAD	1	0.0011	0.003	0.0011	U	
7439-95-4	MAGNESIUM	1	20	1	0.0054		
7439-96-5	MANGANESE	1	0.00042	0.01	0.000097	B	
7440-02-0	NICKEL	1	0.00073	0.02	0.00073	U	
7440-09-7	POTASSIUM	1	5.3	1	0.085		
7782-49-2	SELENIUM	1	0.0031	0.005	0.0031	U	
7440-22-4	SILVER	1	0.00058	0.01	0.00058	U	
7440-23-5	SODIUM	1	43	1	0.004		
7440-28-0	THALLIUM	1	0.0041	0.01	0.0041	U	
7440-31-5	TIN	1	0.0022	0.05	0.0022	U	
7440-62-2	VANADIUM	1	0.006	0.01	0.00059	B	
7440-66-6	ZINC	1	0.0013	0.02	0.00082	B	

Data Package ID: *IT0904081-1*

Total MERCURY

Method SW7470

Sample Results

Lab Name: **ALS Paragon**
Client Name: NMED Hazardous Waste Bureau
Client Project ID: MWL
Work Order Number: 0904081
Reporting Basis: As Received

Final Volume: 20 g
Matrix: WATER
Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	IDL	Flag	Sample Aliquot
MW-8-1-M	0904081-3	4/7/2009	4/14/2009	04/15/2009	N/A	1	0.000018	0.0002	0.000018	U	20 g
MW-8-2B-M	0904081-7	4/7/2009	4/14/2009	04/15/2009	N/A	1	0.000018	0.0002	0.000018	U	20 g
MW-7-1-M	0904081-10	4/8/2009	4/14/2009	04/15/2009	N/A	1	0.000018	0.0002	0.000018	U	20 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG0904081-1*

ICP Metals

Method SW6010B
Method Blank

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: IP090414-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 14-Apr-09
Date Analyzed: 15-Apr-09

Prep Batch: IP090414-2
QCBatchID: IP090414-2-3
Run ID: IT090415-2A3
Cleanup: NONE
Basis: N/A
File Name: 090415A.

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

CASNO	Target Analyte	DF	Result	Reporting Limit	IDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.018	0.2	0.0056	B	
7440-36-0	ANTIMONY	1	0.0025	0.02	0.0025	U	
7440-38-2	ARSENIC	1	0.0027	0.01	0.0027	U	
7440-39-3	BARIUM	1	-0.00025	0.1	0.000068	B	
7440-41-7	BERYLLIUM	1	0.00016	0.005	0.00016	U	
7440-43-9	CADMIUM	1	0.00049	0.005	0.00049	U	
7440-70-2	CALCIUM	1	-0.019	1	0.0041	B	
7440-47-3	CHROMIUM	1	-0.0007	0.01	0.00058	B	
7440-48-4	COBALT	1	-0.00087	0.01	0.00052	B	
7440-50-8	COPPER	1	-0.00076	0.01	0.00047	B	
7439-89-6	IRON	1	0.0013	0.1	0.0013	U	
7439-92-1	LEAD	1	-0.0013	0.003	0.0011	B	
7439-95-4	MAGNESIUM	1	-0.022	1	0.0054	B	
7439-96-5	MANGANESE	1	-0.00068	0.01	0.000097	B	
7440-02-0	NICKEL	1	-0.0017	0.02	0.00073	B	
7440-09-7	POTASSIUM	1	0.31	1	0.085	B	
7782-49-2	SELENIUM	1	0.0031	0.005	0.0031	U	
7440-22-4	SILVER	1	0.00058	0.01	0.00058	U	
7440-23-5	SODIUM	1	0.19	1	0.004	B	
7440-28-0	THALLIUM	1	0.0041	0.01	0.0041	U	
7440-31-5	TIN	1	-0.0035	0.05	0.0022	B	
7440-62-2	VANADIUM	1	0.00059	0.01	0.00059	U	
7440-66-6	ZINC	1	0.0018	0.02	0.00082	B	

Data Package ID: *IT0904081-1*

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: ALS Paragon
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: IP090414-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 04/14/2009
Date Analyzed: 04/15/2009
Prep Method: SW3005A

Prep Batch: IP090414-2
QCBatchID: IP090414-2-3
Run ID: IT090415-2A3
Cleanup: NONE
Basis: N/A
File Name: 090415A.

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
7429-90-5	ALUMINUM	2	2.14	0.2		107	80 - 120%
7440-36-0	ANTIMONY	0.5	0.512	0.02		102	80 - 120%
7440-38-2	ARSENIC	2	2	0.01		100	80 - 120%
7440-39-3	BARIUM	2	1.96	0.1		98	80 - 120%
7440-41-7	BERYLLIUM	0.05	0.0505	0.005		101	80 - 120%
7440-43-9	CADMIUM	0.05	0.0515	0.005		103	80 - 120%
7440-70-2	CALCIUM	40	42.1	1		105	80 - 120%
7440-47-3	CHROMIUM	0.2	0.196	0.01		98	80 - 120%
7440-48-4	COBALT	0.5	0.501	0.01		100	80 - 120%
7440-50-8	COPPER	0.25	0.244	0.01		98	80 - 120%
7439-89-6	IRON	1	1	0.1		100	80 - 120%
7439-92-1	LEAD	0.5	0.504	0.003		101	80 - 120%
7439-95-4	MAGNESIUM	40	42.2	1		106	80 - 120%
7439-96-5	MANGANESE	0.5	0.488	0.01		98	80 - 120%
7440-02-0	NICKEL	0.5	0.496	0.02		99	80 - 120%
7440-09-7	POTASSIUM	40	39.7	1		99	80 - 120%
7782-49-2	SELENIUM	2	2.1	0.005		105	80 - 120%
7440-22-4	SILVER	0.1	0.1	0.01		100	80 - 120%
7440-23-5	SODIUM	40	40	1		100	80 - 120%
7440-28-0	THALLIUM	2	1.99	0.01		99	80 - 120%
7440-31-5	TIN	0.5	0.499	0.05		100	80 - 120%
7440-62-2	VANADIUM	0.5	0.509	0.01		102	80 - 120%
7440-66-6	ZINC	0.5	0.494	0.02		99	80 - 120%

Data Package ID: *IT0904081-1*

Mercury

Method SW7470A

Method Blank

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: HG090414-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 14-Apr-09
Date Analyzed: 15-Apr-09

Prep Batch: HG090414-1
QCBatchID: HG090414-1-1
Run ID: HG090415-2A2
Cleanup: NONE
Basis: N/A
File Name: 09041502

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

CASNO	Target Analyte	DF	Result	Reporting Limit	IDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.000018	0.0002	0.000018	U	

Data Package ID: *HG0904081-1*

Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: **ALS Paragon**
Work Order Number: 0904081
Client Name: NMED Hazardous Waste Bureau
ClientProject ID: MWL

Lab ID: HG090414-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 04/14/2009
Date Analyzed: 04/15/2009
Prep Method: METHOD

Prep Batch: HG090414-1
QCBatchID: HG090414-1-1
Run ID: HG090415-2A2
Cleanup: NONE
Basis: N/A
File Name: 09041502

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	0.000994	0.0002		99	80 - 120%

Data Package ID: *HG0904081-1*