TA36

PARAGON ANALYTICS

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

RECEIVED
OCT 31 2006
DOE OVERSIGHT BUREAU

October 23, 2006

Mr. Dave Cobrain
NMED Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg.1
Santa Fe, NM 87505-2505

Re: Paragon Workorder: 06-10-123
Client Project Name: HWB Voa's; Well Rehab
Client Project Number: 10.13.06-482 (HWB Voa's; Well Rehab)

Dear Mr. Cobrain:

Two water samples were received from NMED DOE Oversight Bureau on October 18, 2006. The samples were scheduled for GC/MS Volatiles (pages 1-20) analysis.

The results for this analysis are contained in the enclosed reports.

Thank you for your confidence in Paragon Analytics. Should you have any questions, please call.

Sincerely,

Paragon Analytics
Lance Steere
Project Manager

LRS/jb
Enclosure: Report

2382

10/17/06 TA 3

Paragon Analytics

ENTERED

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0610123
Client Name: NMED DOE Oversight Bureau
Client Project Name: HWB Voa's; Well Rehab
Client Project Number: 10.13.06-482 (HWB Voas's; Well Rehab)
Client PO Number: 06-667-55-01754

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
R-20 (Scr 3-10-13-06)	0610123-1		WATER	13-Oct-06	15:18
R-20 (Scr 1-10-17-06)	0610123-2		WATER	17-Oct-06	13:30

RECEIVED
OCT 23 2006
DOE OVERSIGHT BUREAU

Paragon Analytics
LIMS Version: 5.435A

Date Printed: Wednesday, October 18, 2006

Chain of Custody Record

0610123

SHIP TO:

Paragon Analytics
225 Commerce Drive
Fort Collins, CO 80524
(970) 490-1511

MAIL REPORT TO:

Kim Granzow
NMED-DOE Oversight Bureau
134 State Road 4, Suite A
White Rock, New Mexico 87544
kgranzow@lanl.gov

Initials

KG
(505) 672-0447

BILL TO:

Dave Cobrain/Bryon Pippin
New Mexico Environ. Dept. Hazardous Waste Bureau
2905 Rodeo Park Drive East, Bldg 1
Santa Fe, NM 87505-2567
505-428-2553/505-428-2505

Project Number: ***(Lab Invoice Use Only)*** 10.13.06-482 (HWB VOAs;Well Rehab)

				VOCs #101 + 24 Hour TAT #4 (2.5 * $100)											
			Line Item No.												
				NF/HCl											
			Price per Sample	$250.00											
Lab ID Number	**NMED - Sample ID**	**Date**	**Time**												
1	**R-20 (Scr 3-10-13-06)**	**10/13/2006**	**15:18**	X											
2	**R-20 (Scr 1-10-17-06)**	**10/17/2006**	**13:30**	X											
			Total No. of Samples	2											

Date/Time	**Relinquished By:**	
10/17/2006 / 14:00	Kim	Sign Kim Granzow
		Print Kim Granzow
	NMED-DOE Oversight	Co./Org.

Date/Time	**Received By:**	
10-18-2006 / 1000	[illegible]	Sign
	Daniel Nafa	Print
	paragon	Co./Org.

Comments: Lance - Please send the invoice to HWB c/o Dave Cobrain/Bryon Pippin . Thanks. Kim

QC Level: **Standard** Level IV
QC Required: MS MSD Blank
Turn Around Time (TAT): Rush

[X] **Place "X" in box if there are less than 5 total samples for shipping costs.**

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: NMED

Workorder No: 0610123

Project Manager: L.S.

Initials: PK

Date: 10-18-06

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, Rx CN/S, radon), headspace free? **Size of bubble:** ____ < green pea ____> green pea	N/A	YES	NO
15.	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
16.	Were the samples **shipped on ice**?		YES	NO
17.	Were cooler temperatures measured at 0.1-6.0°C? **IR gun used*:** #2 #4	RAD ONLY	YES	NO

Cooler #:	1							
Temperature (°C):	5.4							
No. of custody seals on cooler:	0							
DOT Survey/ Acceptance Information — External µR/hr reading:	12							
DOT Survey/ Acceptance Information — Background µR/hr reading:	12							

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.

If applicable, was the client contacted? **YES / NO / NA** Contact: _____ Date/Time: _____

Project Manager Signature / Date: 10/18/06

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

Form 201r19.xls (1/13/06)

FedEx Express US Airbill

8549 4739 7197

9200

Form ID No.

FedEx Retrieval Copy

1 From

Date 10/11/06

Sender's FedEx Account Number

Sender's Name Dave Cobrain Phone 505 425-2553

Company NMED Hazardous Waste Bureau

Address 2905 Rodeo Park Drive East Bldg 1

Dept./Floor/Suite/Room

City Santa Fe State NM ZIP 87505-2576

2 Your Internal Billing Reference 10.13.06-432 (HWB VOAs; Rehd)

3 To

Recipient's Name Lance Steere Phone 970 490-1511

Company Paragon Analytics

Recipient's Address 225 Commerce Drive

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

Dept./Floor/Suite/Room

Address

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

City Ft. Collins State CO ZIP 80524

8549 4739 7197

4a Express Package Service To add SATURDAY Delivery, see Section 6. *Packages up to 150 lbs.* * To most locations

1 [X] FedEx Priority Overnight Next business morning.*

5 [ ] FedEx Standard Overnight Next business afternoon.*

6 [ ] FedEx First Overnight Earliest next business morning delivery to select locations.*

3 [ ] FedEx 2Day Second business day.*

20 [ ] FedEx Express Saver Third business day.*

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

4b Express Freight Service To add SATURDAY Delivery, see Section 6. *Packages over 150 lbs.* ** To most locations

7 [ ] FedEx 1Day Freight* Next business day.**

8 [ ] FedEx 2Day Freight Second business day.**

03 [ ] FedEx 3Day Freight Third business day.**

* Call for Confirmation

5 Packaging * Declared value limit $500

1 [ ] FedEx Envelope*

2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak

3 [ ] FedEx Box

4 [ ] FedEx Tube

1 [X] Other

6 Special Handling Include FedEx address in Section 3.

3 [ ] SATURDAY Delivery Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes.

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

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

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

[X] No

4 [ ] Yes As per attached Shipper's Declaration

[ ] Yes Shipper's Declaration not required

6 [ ] Dry Ice Dry Ice, 9, UN 1845 ____ x ____ 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.

1 [ ] Sender Acct. No. in Section 1 will be billed.

2 [X] Recipient

3 [ ] Third Party

4 [ ] Credit Card

5 [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

FedEx Acct. No. / Credit Card No. 1214666 5-1

Exp. Date

Total Packages	Total Weight	Total Charges
1	19	Credit Card Auth.

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

8 NEW 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.

10 [ ] Direct Signature Anyone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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Paragon Analytics

GC/MS Volatiles Case Narrative

NMED DOE Oversight Bureau

HWB Voa's; Well Rehab -- 10.13.06-482

(HWB Voas's; Well Rehab)

Order Number - 0610123

1. This report consists of 2 water samples. The samples were received cool and intact by Paragon on 1018/2006. The 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 mls using purge and trap procedures based on Method 5030C.

3. The samples were analyzed using GC/MS with an RTX-624 capillary column according to Paragon Standard Operating Procedure 525 Revision 11 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 $\leq$15%. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) $\geq$0.99.

5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All compounds in the second source verification had a %D of less than 25%, with the exception of acrolein. This was not a target compound in the samples.

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, 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.

   All method blank criteria were met.

8. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
Bromomethane	VL061018-3LCS/LCSD	High
Iodomethane	VL061018-3LCSD	High

   The high recovery of these spike compounds suggests that the quantitations of target analytes may be biased high. These analytes were not detected above the reporting limit in the associated samples. The reporting limits are defensible because the elevated recovery demonstrates an increase in sensitivity. No further action was taken.

9. Matrix QC was performed for this analysis. Since a sample from this client 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 Paragon Analytics Standard Operating Procedure 939 Revision 2.

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

Tyler Knaebel
GC/MS Analyst

10/19/06
Date

Reviewer's Initials

10/18/06
Date

Paragon Analytics
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.**

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0610123
Client Name: NMED DOE Oversight Bureau
Client Project Name: HWB Voa's; Well Rehab
Client Project Number: 10.13.06-482 (HWB Voas's; Well Rehab)
Client PO Number: 06-667-55-01754

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
R-20 (Scr 3-10-13-06)	0610123-1		WATER	13-Oct-06	15:18
R-20 (Scr 1-10-17-06)	0610123-2		WATER	17-Oct-06	13:30

GC/MS Volatiles

Method SW8260_25B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00726

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00726

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00726

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10.3		10	103	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10.4		10	104	80 - 124
2037-26-5	TOLUENE-D8	9.93		10	99	81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 3-10-13-06)
Lab ID: 0610123-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00731

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 3-10-13-06)
Lab ID: 0610123-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00731

78-87-5	1,2-DICHLOROPROPANE	1	1	1	U	
74-95-3	DIBROMOMETHANE	1	1	1	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	U	
108-88-3	TOLUENE	1	0.4	1	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	U	
591-78-6	2-HEXANONE	1	10	10	U	
127-18-4	TETRACHLOROETHENE	1	1	1	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	U	
544-10-5	1-CHLOROHEXANE	1	1	1	U	
108-90-7	CHLOROBENZENE	1	1	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	U	
100-41-4	ETHYLBENZENE	1	1	1	U	
136777-61-2	M+P-XYLENE	1	1	1	U	
95-47-6	O-XYLENE	1	1	1	U	
100-42-5	STYRENE	1	1	1	U	
75-25-2	BROMOFORM	1	1	1	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	U	
108-86-1	BROMOBENZENE	1	1	1	U	
103-65-1	N-PROPYLBENZENE	1	1	1	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	U	

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 3-10-13-06)
Lab ID: 0610123-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00731

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10.4		10	104	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10.3		10	103	80 - 124
2037-26-5	TOLUENE-D8	9.78		10	98	81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 1-10-17-06)
Lab ID: 0610123-2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00732

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 1-10-17-06)
Lab ID: 0610123-2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00732

78-87-5	1,2-DICHLOROPROPANE	1	1	1	U	
74-95-3	DIBROMOMETHANE	1	1	1	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	U	
108-10-1	4-METHYL-2-PENTANONE	1	1.2	10	J	
108-88-3	TOLUENE	1	14	1		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	U	
591-78-6	2-HEXANONE	1	10	10	U	
127-18-4	TETRACHLOROETHENE	1	1	1	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	U	
544-10-5	1-CHLOROHEXANE	1	1	1	U	
108-90-7	CHLOROBENZENE	1	1	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	U	
100-41-4	ETHYLBENZENE	1	1	1	U	
136777-61-2	M+P-XYLENE	1	1	1	U	
95-47-6	O-XYLENE	1	1	1	U	
100-42-5	STYRENE	1	1	1	U	
75-25-2	BROMOFORM	1	1	1	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	U	
108-86-1	BROMOBENZENE	1	1	1	U	
103-65-1	N-PROPYLBENZENE	1	1	1	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	U	

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 1-10-17-06)
Lab ID: 0610123-2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00732

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	9.99		10	100	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10.6		10	106	80 - 124
2037-26-5	TOLUENE-D8	9.93		10	99	81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00723

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-71-8	DICHLORODIFLUOROMETHANE	5	4.65	1		93	38 - 131%
74-87-3	CHLOROMETHANE	5	5.63	1		113	62 - 141%
75-01-4	VINYL CHLORIDE	5	5.09	1		102	77 - 124%
74-83-9	BROMOMETHANE	5	6.88	1	*	138	76 - 133%
75-00-3	CHLOROETHANE	5	4.73	1		95	81 - 130%
75-69-4	TRICHLOROFLUOROMETHANE	5	4.77	1		95	84 - 146%
75-35-4	1,1-DICHLOROETHENE	5	5.52	1		110	75 - 126%
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHA	5	4.9	1		98	71 - 144%
67-64-1	ACETONE	20	21.8	10		109	50 - 150%
74-88-4	IODOMETHANE	5	5.49	1		110	76 - 116%
75-15-0	CARBON DISULFIDE	5	4.9	1		98	68 - 129%
75-09-2	METHYLENE CHLORIDE	5	5.21	1		104	22 - 146%
156-60-5	TRANS-1,2-DICHLOROETHENE	5	5.39	1		108	76 - 135%
1634-04-4	METHYL TERTIARY BUTYL ETHER	5	5.05	1		101	75 - 125%
75-34-3	1,1-DICHLOROETHANE	5	5.26	1		105	77 - 131%
108-05-4	VINYL ACETATE	5	5.01	1		100	56 - 151%
156-59-2	CIS-1,2-DICHLOROETHENE	5	5.05	1		101	81 - 121%
78-93-3	2-BUTANONE	20	20.8	10		104	50 - 150%
74-97-5	BROMOCHLOROMETHANE	5	4.82	1		96	85 - 126%
67-66-3	CHLOROFORM	5	5.19	1		104	84 - 125%
71-55-6	1,1,1-TRICHLOROETHANE	5	5	1		100	82 - 129%
594-20-7	2,2-DICHLOROPROPANE	5	5.31	1		106	79 - 130%
56-23-5	CARBON TETRACHLORIDE	5	5.2	1		104	83 - 135%
563-58-6	1,1-DICHLOROPROPENE	5	5.46	1		109	85 - 127%
107-06-2	1,2-DICHLOROETHANE	5	5.33	1		107	84 - 126%
71-43-2	BENZENE	5	5.01	1		100	82 - 122%

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00723

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
79-01-6	TRICHLOROETHENE	5	5.17	1		103	82 - 121%
78-87-5	1,2-DICHLOROPROPANE	5	5.44	1		109	81 - 121%
74-95-3	DIBROMOMETHANE	5	5.17	1		103	81 - 125%
75-27-4	BROMODICHLOROMETHANE	5	4.94	1		99	82 - 120%
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	5.05	1		101	79 - 120%
108-10-1	4-METHYL-2-PENTANONE	20	19.2	10		96	50 - 150%
108-88-3	TOLUENE	5	4.78	1		96	83 - 121%
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	4.62	1		92	78 - 113%
79-00-5	1,1,2-TRICHLOROETHANE	5	4.97	1		99	82 - 122%
591-78-6	2-HEXANONE	20	19.2	10		96	50 - 150%
127-18-4	TETRACHLOROETHENE	5	4.52	1		90	79 - 136%
142-28-9	1,3-DICHLOROPROPANE	5	4.85	1		97	80 - 126%
124-48-1	DIBROMOCHLOROMETHANE	5	4.29	1		86	80 - 123%
106-93-4	1,2-DIBROMOETHANE	5	4.76	1		95	85 - 124%
544-10-5	1-CHLOROHEXANE	5	5	1		100	77 - 135%
108-90-7	CHLOROBENZENE	5	4.74	1		95	82 - 121%
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	4.6	1		92	85 - 128%
100-41-4	ETHYLBENZENE	5	4.67	1		93	83 - 126%
136777-61-2	M+P-XYLENE	10	9.6	1		96	82 - 129%
95-47-6	O-XYLENE	5	4.63	1		93	87 - 132%
100-42-5	STYRENE	5	4.46	1		89	82 - 123%
75-25-2	BROMOFORM	5	4.26	1		85	79 - 118%
98-82-8	ISOPROPYLBENZENE	5	4.37	1		87	75 - 132%
96-18-4	1,2,3-TRICHLOROPROPANE	5	4.79	1		96	77 - 128%
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	4.45	1		89	74 - 130%
108-86-1	BROMOBENZENE	5	4.7	1		94	78 - 124%
103-65-1	N-PROPYLBENZENE	5	4.69	1		94	75 - 134%

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00723

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
95-49-8	2-CHLOROTOLUENE	5	4.61	1		92	77 - 128%
108-67-8	1,3,5-TRIMETHYLBENZENE	5	4.49	1		90	77 - 131%
106-43-4	4-CHLOROTOLUENE	5	4.66	1		93	79 - 128%
98-06-6	TERT-BUTYLBENZENE	5	4.93	1		99	76 - 134%
95-63-6	1,2,4-TRIMETHYLBENZENE	5	4.61	1		92	80 - 138%
135-98-8	SEC-BUTYLBENZENE	5	4.7	1		94	73 - 135%
541-73-1	1,3-DICHLOROBENZENE	5	4.68	1		94	79 - 126%
99-87-6	P-ISOPROPYLTOLUENE	5	4.48	1		90	72 - 132%
106-46-7	1,4-DICHLOROBENZENE	5	4.8	1		96	81 - 125%
104-51-8	N-BUTYLBENZENE	5	4.56	1		91	77 - 141%
95-50-1	1,2-DICHLOROBENZENE	5	4.64	1		93	82 - 128%
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	4.36	2		87	64 - 134%
120-82-1	1,2,4-TRICHLOROBENZENE	5	4.37	1		87	80 - 128%
87-68-3	HEXACHLOROBUTADIENE	5	4.43	1		89	70 - 136%
91-20-3	NAPHTHALENE	5	4.45	1		89	78 - 125%
87-61-6	1,2,3-TRICHLOROBENZENE	5	4.44	1		89	79 - 131%

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00724

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-71-8	DICHLORODIFLUOROMETHANE	5	4.76	1		95	20	2
74-87-3	CHLOROMETHANE	5	5.75	1		115	20	2
75-01-4	VINYL CHLORIDE	5	5.18	1		104	20	2
74-83-9	BROMOMETHANE	5	7.42	1	*	148	20	8
75-00-3	CHLOROETHANE	5	5.14	1		103	20	8
75-69-4	TRICHLOROFLUOROMETHANE	5	4.85	1		97	20	2
75-35-4	1,1-DICHLOROETHENE	5	5.56	1		111	20	1
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHA	5	5.18	1		104	20	6
67-64-1	ACETONE	20	23	10		115	30	5
74-88-4	IODOMETHANE	5	5.83	1	*	117	20	6
75-15-0	CARBON DISULFIDE	5	4.81	1		96	20	2
75-09-2	METHYLENE CHLORIDE	5	5.07	1		101	20	3
156-60-5	TRANS-1,2-DICHLOROETHENE	5	5.47	1		109	20	1
1634-04-4	METHYL TERTIARY BUTYL ETHER	5	5.19	1		104	20	3
75-34-3	1,1-DICHLOROETHANE	5	5.15	1		103	20	2
108-05-4	VINYL ACETATE	5	5.16	1		103	20	3
156-59-2	CIS-1,2-DICHLOROETHENE	5	5.11	1		102	20	1
78-93-3	2-BUTANONE	20	21.3	10		107	30	3
74-97-5	BROMOCHLOROMETHANE	5	4.78	1		96	20	1
67-66-3	CHLOROFORM	5	5.16	1		103	20	0
71-55-6	1,1,1-TRICHLOROETHANE	5	5.19	1		104	20	4
594-20-7	2,2-DICHLOROPROPANE	5	5.16	1		103	20	3
56-23-5	CARBON TETRACHLORIDE	5	5.33	1		107	20	2
563-58-6	1,1-DICHLOROPROPENE	5	5.53	1		111	20	1
107-06-2	1,2-DICHLOROETHANE	5	5.37	1		107	20	1
71-43-2	BENZENE	5	5.1	1		102	20	2
79-01-6	TRICHLOROETHENE	5	5.21	1		104	20	1

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00724

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
78-87-5	1,2-DICHLOROPROPANE	5	5.45	1		109	20	0
74-95-3	DIBROMOMETHANE	5	5.28	1		106	20	2
75-27-4	BROMODICHLOROMETHANE	5	4.93	1		99	20	0
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	4.95	1		99	20	2
108-10-1	4-METHYL-2-PENTANONE	20	19.6	10		98	30	2
108-88-3	TOLUENE	5	4.72	1		94	20	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	4.62	1		92	20	0
79-00-5	1,1,2-TRICHLOROETHANE	5	4.64	1		93	20	7
591-78-6	2-HEXANONE	20	19.4	10		97	30	1
127-18-4	TETRACHLOROETHENE	5	4.65	1		93	20	3
142-28-9	1,3-DICHLOROPROPANE	5	4.92	1		98	20	2
124-48-1	DIBROMOCHLOROMETHANE	5	4.26	1		85	20	1
106-93-4	1,2-DIBROMOETHANE	5	4.76	1		95	20	0
544-10-5	1-CHLOROHEXANE	5	4.9	1		98	20	2
108-90-7	CHLOROBENZENE	5	4.71	1		94	20	1
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	4.71	1		94	20	2
100-41-4	ETHYLBENZENE	5	4.75	1		95	20	2
136777-61-2	M+P-XYLENE	10	9.1	1		91	20	5
95-47-6	O-XYLENE	5	4.63	1		93	20	0
100-42-5	STYRENE	5	4.52	1		90	20	1
75-25-2	BROMOFORM	5	4.31	1		86	20	1
98-82-8	ISOPROPYLBENZENE	5	4.46	1		89	20	2
96-18-4	1,2,3-TRICHLOROPROPANE	5	4.81	1		96	20	0
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	4.31	1		86	20	3
108-86-1	BROMOBENZENE	5	4.55	1		91	20	3
103-65-1	N-PROPYLBENZENE	5	4.7	1		94	20	0
95-49-8	2-CHLOROTOLUENE	5	4.65	1		93	20	1

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00724

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
108-67-8	1,3,5-TRIMETHYLBENZENE	5	4.65	1		93	20	4
106-43-4	4-CHLOROTOLUENE	5	4.79	1		96	20	3
98-06-6	TERT-BUTYLBENZENE	5	4.78	1		96	20	3
95-63-6	1,2,4-TRIMETHYLBENZENE	5	4.68	1		94	20	1
135-98-8	SEC-BUTYLBENZENE	5	4.68	1		94	20	0
541-73-1	1,3-DICHLOROBENZENE	5	4.72	1		94	20	1
99-87-6	P-ISOPROPYLTOLUENE	5	4.63	1		93	20	3
106-46-7	1,4-DICHLOROBENZENE	5	4.85	1		97	20	1
104-51-8	N-BUTYLBENZENE	5	4.78	1		96	20	5
95-50-1	1,2-DICHLOROBENZENE	5	4.75	1		95	20	3
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	4.34	2		87	20	0
120-82-1	1,2,4-TRICHLOROBENZENE	5	4.38	1		88	20	0
87-68-3	HEXACHLOROBUTADIENE	5	4.36	1		87	20	2
91-20-3	NAPHTHALENE	5	4.44	1		89	20	0
87-61-6	1,2,3-TRICHLOROBENZENE	5	4.16	1		83	20	7

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10	104		103		78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10	102		103		80 - 124
2037-26-5	TOLUENE-D8	10	98		98		81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00724

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
108-67-8	1,3,5-TRIMETHYLBENZENE	5	4.65	1		93	20	4
106-43-4	4-CHLOROTOLUENE	5	4.79	1		96	20	3
98-06-6	TERT-BUTYLBENZENE	5	4.78	1		96	20	3
95-63-6	1,2,4-TRIMETHYLBENZENE	5	4.68	1		94	20	1
135-98-8	SEC-BUTYLBENZENE	5	4.68	1		94	20	0
541-73-1	1,3-DICHLOROBENZENE	5	4.72	1		94	20	1
99-87-6	P-ISOPROPYLTOLUENE	5	4.63	1		93	20	3
106-46-7	1,4-DICHLOROBENZENE	5	4.85	1		97	20	1
104-51-8	N-BUTYLBENZENE	5	4.78	1		96	20	5
95-50-1	1,2-DICHLOROBENZENE	5	4.75	1		95	20	3
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	4.34	2		87	20	0
120-82-1	1,2,4-TRICHLOROBENZENE	5	4.38	1		88	20	0
87-68-3	HEXACHLOROBUTADIENE	5	4.36	1		87	20	2
91-20-3	NAPHTHALENE	5	4.44	1		89	20	0
87-61-6	1,2,3-TRICHLOROBENZENE	5	4.16	1		83	20	7

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10	104		103		78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10	102		103		80 - 124
2037-26-5	TOLUENE-D8	10	98		98		81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00724

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
78-87-5	1,2-DICHLOROPROPANE	5	5.45	1		109	20	0
74-95-3	DIBROMOMETHANE	5	5.28	1		106	20	2
75-27-4	BROMODICHLOROMETHANE	5	4.93	1		99	20	0
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	4.95	1		99	20	2
108-10-1	4-METHYL-2-PENTANONE	20	19.6	10		98	30	2
108-88-3	TOLUENE	5	4.72	1		94	20	1
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	4.62	1		92	20	0
79-00-5	1,1,2-TRICHLOROETHANE	5	4.64	1		93	20	7
591-78-6	2-HEXANONE	20	19.4	10		97	30	1
127-18-4	TETRACHLOROETHENE	5	4.65	1		93	20	3
142-28-9	1,3-DICHLOROPROPANE	5	4.92	1		98	20	2
124-48-1	DIBROMOCHLOROMETHANE	5	4.26	1		85	20	1
106-93-4	1,2-DIBROMOETHANE	5	4.76	1		95	20	0
544-10-5	1-CHLOROHEXANE	5	4.9	1		98	20	2
108-90-7	CHLOROBENZENE	5	4.71	1		94	20	1
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	4.71	1		94	20	2
100-41-4	ETHYLBENZENE	5	4.75	1		95	20	2
136777-61-2	M+P-XYLENE	10	9.1	1		91	20	5
95-47-6	O-XYLENE	5	4.63	1		93	20	0
100-42-5	STYRENE	5	4.52	1		90	20	1
75-25-2	BROMOFORM	5	4.31	1		86	20	1
98-82-8	ISOPROPYLBENZENE	5	4.46	1		89	20	2
96-18-4	1,2,3-TRICHLOROPROPANE	5	4.81	1		96	20	0
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	4.31	1		86	20	3
108-86-1	BROMOBENZENE	5	4.55	1		91	20	3
103-65-1	N-PROPYLBENZENE	5	4.7	1		94	20	0
95-49-8	2-CHLOROTOLUENE	5	4.65	1		93	20	1

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00724

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-71-8	DICHLORODIFLUOROMETHANE	5	4.76	1		95	20	2
74-87-3	CHLOROMETHANE	5	5.75	1		115	20	2
75-01-4	VINYL CHLORIDE	5	5.18	1		104	20	2
74-83-9	BROMOMETHANE	5	7.42	1	*	148	20	8
75-00-3	CHLOROETHANE	5	5.14	1		103	20	8
75-69-4	TRICHLOROFLUOROMETHANE	5	4.85	1		97	20	2
75-35-4	1,1-DICHLOROETHENE	5	5.56	1		111	20	1
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHA	5	5.18	1		104	20	6
67-64-1	ACETONE	20	23	10		115	30	5
74-88-4	IODOMETHANE	5	5.83	1	*	117	20	6
75-15-0	CARBON DISULFIDE	5	4.81	1		96	20	2
75-09-2	METHYLENE CHLORIDE	5	5.07	1		101	20	3
156-60-5	TRANS-1,2-DICHLOROETHENE	5	5.47	1		109	20	1
1634-04-4	METHYL TERTIARY BUTYL ETHER	5	5.19	1		104	20	3
75-34-3	1,1-DICHLOROETHANE	5	5.15	1		103	20	2
108-05-4	VINYL ACETATE	5	5.16	1		103	20	3
156-59-2	CIS-1,2-DICHLOROETHENE	5	5.11	1		102	20	1
78-93-3	2-BUTANONE	20	21.3	10		107	30	3
74-97-5	BROMOCHLOROMETHANE	5	4.78	1		96	20	1
67-66-3	CHLOROFORM	5	5.16	1		103	20	0
71-55-6	1,1,1-TRICHLOROETHANE	5	5.19	1		104	20	4
594-20-7	2,2-DICHLOROPROPANE	5	5.16	1		103	20	3
56-23-5	CARBON TETRACHLORIDE	5	5.33	1		107	20	2
563-58-6	1,1-DICHLOROPROPENE	5	5.53	1		111	20	1
107-06-2	1,2-DICHLOROETHANE	5	5.37	1		107	20	1
71-43-2	BENZENE	5	5.1	1		102	20	2
79-01-6	TRICHLOROETHENE	5	5.21	1		104	20	1

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00723

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
95-49-8	2-CHLOROTOLUENE	5	4.61	1		92	77 - 128%
108-67-8	1,3,5-TRIMETHYLBENZENE	5	4.49	1		90	77 - 131%
106-43-4	4-CHLOROTOLUENE	5	4.66	1		93	79 - 128%
98-06-6	TERT-BUTYLBENZENE	5	4.93	1		99	76 - 134%
95-63-6	1,2,4-TRIMETHYLBENZENE	5	4.61	1		92	80 - 138%
135-98-8	SEC-BUTYLBENZENE	5	4.7	1		94	73 - 135%
541-73-1	1,3-DICHLOROBENZENE	5	4.68	1		94	79 - 126%
99-87-6	P-ISOPROPYLTOLUENE	5	4.48	1		90	72 - 132%
106-46-7	1,4-DICHLOROBENZENE	5	4.8	1		96	81 - 125%
104-51-8	N-BUTYLBENZENE	5	4.56	1		91	77 - 141%
95-50-1	1,2-DICHLOROBENZENE	5	4.64	1		93	82 - 128%
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5	4.36	2		87	64 - 134%
120-82-1	1,2,4-TRICHLOROBENZENE	5	4.37	1		87	80 - 128%
87-68-3	HEXACHLOROBUTADIENE	5	4.43	1		89	70 - 136%
91-20-3	NAPHTHALENE	5	4.45	1		89	78 - 125%
87-61-6	1,2,3-TRICHLOROBENZENE	5	4.44	1		89	79 - 131%

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00723

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
79-01-6	TRICHLOROETHENE	5	5.17	1		103	82 - 121%
78-87-5	1,2-DICHLOROPROPANE	5	5.44	1		109	81 - 121%
74-95-3	DIBROMOMETHANE	5	5.17	1		103	81 - 125%
75-27-4	BROMODICHLOROMETHANE	5	4.94	1		99	82 - 120%
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	5.05	1		101	79 - 120%
108-10-1	4-METHYL-2-PENTANONE	20	19.2	10		96	50 - 150%
108-88-3	TOLUENE	5	4.78	1		96	83 - 121%
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	4.62	1		92	78 - 113%
79-00-5	1,1,2-TRICHLOROETHANE	5	4.97	1		99	82 - 122%
591-78-6	2-HEXANONE	20	19.2	10		96	50 - 150%
127-18-4	TETRACHLOROETHENE	5	4.52	1		90	79 - 136%
142-28-9	1,3-DICHLOROPROPANE	5	4.85	1		97	80 - 126%
124-48-1	DIBROMOCHLOROMETHANE	5	4.29	1		86	80 - 123%
106-93-4	1,2-DIBROMOETHANE	5	4.76	1		95	85 - 124%
544-10-5	1-CHLOROHEXANE	5	5	1		100	77 - 135%
108-90-7	CHLOROBENZENE	5	4.74	1		95	82 - 121%
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	4.6	1		92	85 - 128%
100-41-4	ETHYLBENZENE	5	4.67	1		93	83 - 126%
136777-61-2	M+P-XYLENE	10	9.6	1		96	82 - 129%
95-47-6	O-XYLENE	5	4.63	1		93	87 - 132%
100-42-5	STYRENE	5	4.46	1		89	82 - 123%
75-25-2	BROMOFORM	5	4.26	1		85	79 - 118%
98-82-8	ISOPROPYLBENZENE	5	4.37	1		87	75 - 132%
96-18-4	1,2,3-TRICHLOROPROPANE	5	4.79	1		96	77 - 128%
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	4.45	1		89	74 - 130%
108-86-1	BROMOBENZENE	5	4.7	1		94	78 - 124%
103-65-1	N-PROPYLBENZENE	5	4.69	1		94	75 - 134%

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/18/2006
Date Analyzed: 10/18/2006
Prep Method: SW5030C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00723

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-71-8	DICHLORODIFLUOROMETHANE	5	4.65	1		93	38 - 131%
74-87-3	CHLOROMETHANE	5	5.63	1		113	62 - 141%
75-01-4	VINYL CHLORIDE	5	5.09	1		102	77 - 124%
74-83-9	BROMOMETHANE	5	6.88	1	*	138	76 - 133%
75-00-3	CHLOROETHANE	5	4.73	1		95	81 - 130%
75-69-4	TRICHLOROFLUOROMETHANE	5	4.77	1		95	84 - 146%
75-35-4	1,1-DICHLOROETHENE	5	5.52	1		110	75 - 126%
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHA	5	4.9	1		98	71 - 144%
67-64-1	ACETONE	20	21.8	10		109	50 - 150%
74-88-4	IODOMETHANE	5	5.49	1		110	76 - 116%
75-15-0	CARBON DISULFIDE	5	4.9	1		98	68 - 129%
75-09-2	METHYLENE CHLORIDE	5	5.21	1		104	22 - 146%
156-60-5	TRANS-1,2-DICHLOROETHENE	5	5.39	1		108	76 - 135%
1634-04-4	METHYL TERTIARY BUTYL ETHER	5	5.05	1		101	75 - 125%
75-34-3	1,1-DICHLOROETHANE	5	5.26	1		105	77 - 131%
108-05-4	VINYL ACETATE	5	5.01	1		100	56 - 151%
156-59-2	CIS-1,2-DICHLOROETHENE	5	5.05	1		101	81 - 121%
78-93-3	2-BUTANONE	20	20.8	10		104	50 - 150%
74-97-5	BROMOCHLOROMETHANE	5	4.82	1		96	85 - 126%
67-66-3	CHLOROFORM	5	5.19	1		104	84 - 125%
71-55-6	1,1,1-TRICHLOROETHANE	5	5	1		100	82 - 129%
594-20-7	2,2-DICHLOROPROPANE	5	5.31	1		106	79 - 130%
56-23-5	CARBON TETRACHLORIDE	5	5.2	1		104	83 - 135%
563-58-6	1,1-DICHLOROPROPENE	5	5.46	1		109	85 - 127%
107-06-2	1,2-DICHLOROETHANE	5	5.33	1		107	84 - 126%
71-43-2	BENZENE	5	5.01	1		100	82 - 122%

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 1-10-17-06)
Lab ID: 0610123-2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00732

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	9.99		10	100	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10.6		10	106	80 - 124
2037-26-5	TOLUENE-D8	9.93		10	99	81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 1-10-17-06)
Lab ID: 0610123-2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00732

78-87-5	1,2-DICHLOROPROPANE	1	1	1	U	
74-95-3	DIBROMOMETHANE	1	1	1	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	U	
108-10-1	4-METHYL-2-PENTANONE	1	1.2	10	J	
108-88-3	TOLUENE	1	14	1		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	U	
591-78-6	2-HEXANONE	1	10	10	U	
127-18-4	TETRACHLOROETHENE	1	1	1	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	U	
544-10-5	1-CHLOROHEXANE	1	1	1	U	
108-90-7	CHLOROBENZENE	1	1	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	U	
100-41-4	ETHYLBENZENE	1	1	1	U	
136777-61-2	M+P-XYLENE	1	1	1	U	
95-47-6	O-XYLENE	1	1	1	U	
100-42-5	STYRENE	1	1	1	U	
75-25-2	BROMOFORM	1	1	1	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	U	
108-86-1	BROMOBENZENE	1	1	1	U	
103-65-1	N-PROPYLBENZENE	1	1	1	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	U	

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 1-10-17-06)
Lab ID: 0610123-2

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 17-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00732

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 3-10-13-06)
Lab ID: 0610123-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00731

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10.4		10	104	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10.3		10	103	80 - 124
2037-26-5	TOLUENE-D8	9.78		10	98	81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 3-10-13-06)
Lab ID: 0610123-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00731

78-87-5	1,2-DICHLOROPROPANE	1	1	1	U	
74-95-3	DIBROMOMETHANE	1	1	1	U	
75-27-4	BROMODICHLOROMETHANE	1	1	1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	1	1	U	
108-10-1	4-METHYL-2-PENTANONE	1	10	10	U	
108-88-3	TOLUENE	1	0.4	1	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	1	1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	1	1	U	
591-78-6	2-HEXANONE	1	10	10	U	
127-18-4	TETRACHLOROETHENE	1	1	1	U	
142-28-9	1,3-DICHLOROPROPANE	1	1	1	U	
124-48-1	DIBROMOCHLOROMETHANE	1	1	1	U	
106-93-4	1,2-DIBROMOETHANE	1	1	1	U	
544-10-5	1-CHLOROHEXANE	1	1	1	U	
108-90-7	CHLOROBENZENE	1	1	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	1	1	U	
100-41-4	ETHYLBENZENE	1	1	1	U	
136777-61-2	M+P-XYLENE	1	1	1	U	
95-47-6	O-XYLENE	1	1	1	U	
100-42-5	STYRENE	1	1	1	U	
75-25-2	BROMOFORM	1	1	1	U	
98-82-8	ISOPROPYLBENZENE	1	1	1	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	1	1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	1	1	U	
108-86-1	BROMOBENZENE	1	1	1	U	
103-65-1	N-PROPYLBENZENE	1	1	1	U	
95-49-8	2-CHLOROTOLUENE	1	1	1	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	1	1	U	
106-43-4	4-CHLOROTOLUENE	1	1	1	U	

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Field ID: R-20 (Scr 3-10-13-06)
Lab ID: 0610123-1

Analysis ReqCode: 101

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 13-Oct-06
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00731

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00726

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

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10.3		10	103	78 - 129
1868-53-7	DIBROMOFLUOROMETHANE	10.4		10	104	80 - 124
2037-26-5	TOLUENE-D8	9.93		10	99	81 - 119

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00726

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

Data Package ID: *VL0610123-1*

GC/MS Volatiles

Method SW8260_25B
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0610123
Client Name: NMED DOE Oversight Bureau
ClientProject ID: HWB Voa's; Well Rehab 10.13.06-482 (HWB Voas's; Well Reha

Lab ID: VL061018-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 18-Oct-06
Date Analyzed: 18-Oct-06
Prep Method: SW5030 Rev C

Prep Batch: VL061018-3
QCBatchID: VL061018-3-3
Run ID: VL061018-3A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 10 ml
Final Volume: 10 ml
Result Units: UG/L
Clean DF: 1
File Name: C00726

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

Data Package ID: *VL0610123-1*

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0610123
Client Name: NMED DOE Oversight Bureau
Client Project Name: HWB Voa's; Well Rehab
Client Project Number: 10.13.06-482 (HWB Voas's; Well Rehab)
Client PO Number: 06-667-55-01754

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
R-20 (Scr 3-10-13-06)	0610123-1		WATER	13-Oct-06	15:18
R-20 (Scr 1-10-17-06)	0610123-2		WATER	17-Oct-06	13:30

Paragon Analytics
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.**

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

Tyler Knaebel — 10/19/06
Tyler Knaebel — Date
GC/MS Analyst

Reviewer's Initials — 10/18/06
Date

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, 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.

   All method blank criteria were met.

8. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
Bromomethane	VL061018-3LCS/LCSD	High
Iodomethane	VL061018-3LCSD	High

   The high recovery of these spike compounds suggests that the quantitations of target analytes may be biased high. These analytes were not detected above the reporting limit in the associated samples. The reporting limits are defensible because the elevated recovery demonstrates an increase in sensitivity. No further action was taken.

9. Matrix QC was performed for this analysis. Since a sample from this client 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 Paragon Analytics Standard Operating Procedure 939 Revision 2.

Paragon Analytics

GC/MS Volatiles Case Narrative

NMED DOE Oversight Bureau

HWB Voa's; Well Rehab -- 10.13.06-482

(HWB Voas's; Well Rehab)

Order Number - 0610123

1. This report consists of 2 water samples. The samples were received cool and intact by Paragon on 1018/2006. The 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 mls using purge and trap procedures based on Method 5030C.

3. The samples were analyzed using GC/MS with an RTX-624 capillary column according to Paragon Standard Operating Procedure 525 Revision 11 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 $\leq$15%. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) $\geq$0.99.

5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All compounds in the second source verification had a %D of less than 25%, with the exception of acrolein. This was not a target compound in the samples.

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