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February 1, 2005

ENSR Project No.: 07349-001

Mrs. Eileen Kramer
Wisconsin Department of Natural Resources
PO Box 4001
Eau Claire WI 54702-4001

Re: Semi-Annual Report for the Former Onalaska Municipal Landfill
Onalaska, Wisconsin

Dear Mrs. Kramer:

ENSR is pleased to submit this semi-annual report for the activities completed at the Former Onalaska Municipal Landfill (site). The activities were completed in accordance with ENSR's proposal dated July 7, 2004 (Proposal) and include natural attenuation (NA) monitoring and operation and maintenance (O&M) of the groundwater extraction and treatment system (system). This report is inclusive of site activities conducted by ENSR during this reporting period (September 2004 through January 2005).

In summary, ENSR performed the required NA monitoring and O&M of the system. Groundwater was monitored from 12 wells during the September 2004 sampling event and from 23 wells during the December 2004 sampling event. During each monitoring event, the depth of groundwater was gauged in 29 wells. Monthly "bumping" of the system and routine O&M was completed. Several non-routine, "out of scope" items were completed during this reporting period, including electrical repair (the transformer servicing the site had failed), refilling/certifying the site fire extinguishers, and completing oil and filter changes on all oil-containing equipment.

The following paragraphs discuss activities completed at the site during this reporting period. Items are discussed in the same order as presented in the Proposal.

Completed Work

Task 100: Quality Assurance Plan

No changes to the QAPP were required during this reporting period.

Task 200: Site Health and Safety Plan

ENSR updated the Health and Safety Plan (HASP) to protect its employees while performing on-site activities. A copy of the site specific HASP is kept onsite at all times.

Mr. Bill Wood of ENSR is scheduled to complete a Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) refresher course in Spring, 2005.

Task 300: O&M of the Groundwater Treatment System

Mr. Wood of ENSR, the primary operator of the groundwater treatment system, currently spends approximately six to eight hours per month to complete routine O&M activities. O&M activities conducted at the site include "bumping" of the system once a month, maintenance of other operational equipment (e.g. compressors) and general housekeeping. The bumping includes the start-up and operation of the system for several minutes. Mr. Wood also spends several hours per month, during the growing season, on grounds keeping activities (e.g. mowing, weeding along fence line and brush control). The current monthly schedule for Mr. Wood is to perform routine maintenance and general housekeeping mid-month and the bumping of the system and general housekeeping at the end of the month.

The groundwater generated during bumping is stored in various on-site storage vessels for subsequent disposal. During the winter months, the generated groundwater is conveyed to storage vessels inside the building and during the non-freezing months the pumped water is stored in vessels located outside of the treatment building. No groundwater was discharged to the environment during this reporting period.

On November 16, 2004 Olson's Tri-County Transport (Sparta Wisconsin) hauled 16,000 gallons of stored groundwater to the City of La Crosse's Waste Water Treatment Plant for treatment and disposal. Acceptance of the wastewater was granted by Mr. Greg Paul, Superintendent with LaCrosse Wastewater Utility.

ENSR procured items needed to keep the groundwater collection and treatment system in operating condition to allow start-up and operation of the system should environmental conditions warrant it. These items included (but were not limited to):

- Housekeeping items
- Propane
- Electricity
- Oils and greases
- Grounds keeping equipment and supplies
- Sewage removal
- Cellular telephone service
- Miscellaneous supplies
- Potable water

Task 400: Groundwater Natural Attenuation Monitoring

Groundwater sampling followed the guidelines presented in documents including the Natural Attenuation Plan, the Quality Assurance Project Plan (QAPP) and addendums, the Sampling and Analyses Plan, and the WDNR Groundwater Sampling Desk Reference. Groundwater samples were collected from all scheduled monitoring wells except from the Ackerman well during the December 2004 sampling event. Mr. Ackerman spends the winters in the south and his well was not available. Well locations are illustrated on **Figure 1: Site Plan**.

Groundwater levels were gauged during the September 2004 and December 2004 monitoring events. Groundwater levels were obtained from 29 monitoring wells during each gauging event. Groundwater elevation data from these two monitoring events is presented in **Table 1 and Table 2,** respectively. September 2004 groundwater elevation contours for the shallow and medium zone wells are shown on **Figures 2 and 3**, respectively. December 2004 groundwater elevation contours for the shallow and medium zone wells are shown on **Figures 4 and 5**, respectively.

The inferred groundwater flow direction in the shallow and medium groundwater zone at the site is towards the south-southwest. Groundwater flow at the site may be affected by the water levels in the nearby Black River and by the landfill.

Groundwater was monitored from 12 wells during the ~~December~~ Sept. 2004 sampling event and from 23 wells during the December 2004 sampling event. The samples were analyzed for volatile organic compounds (VOC) and the eight RCRA Metals. Groundwater samples (excluding the residential wells) collected during the December 2004 sampling event were additionally analyzed for three natural attenuation parameters (chloride, nitrate and sulfate). Field parameters were measured using a flow-through cell (when possible) and were collected during the purging process. When use of a flow cell was not possible, field parameters were measured from purge water collected in a container.

Purging techniques consisted of using either a dedicated whale pump and tubing, a peristaltic pump and disposable tubing, or a single-use disposable bailer. When pumps were used for purging and sampling, the pump intake was positioned approximately halfway down the submerged screened interval. The pump rate was reduced to a low level after purging in order to simulate low-flow sampling. The wells were purged until all parameters, including the more sensitive parameters of dissolved oxygen (DO) and oxidation reduction potential (ORP), stabilized to within 10 percent between two consecutive well volumes of purge water. At a minimum, three well volumes were purged from each monitoring point prior to the collection of groundwater samples. Data collected during the purging process, including specific conductivity, temperature, pH, DO and ORP, was recorded on the sample collection data sheets.

The residential wells were sampled from an outside spigot after the well had run for approximately 15 minutes immediately prior to sampling. Generally each residential well had

been running intermittently prior to sampling.

Groundwater samples were collected directly into laboratory supplied containers. Following collection, sample containers were stored on ice in a cooler and sent overnight under chain-of-custody to Severn Trent Laboratories in Canton, Ohio.

Groundwater analytical results are summarized in **Table 3, Summary of Detected Compounds**. The abbreviated laboratory reports and chain-of-custody forms are included in **Attachment A: Groundwater Laboratory Analytical Reports**. The complete analytical data package is filed at ENSR's St. Louis Park office.

Monitoring for Natural Attenuation began in October 2001 (baseline natural attenuation monitoring event). This baseline sampling event was completed immediately after the system was turned off. The system was reactivated (for approximately one month) after the baseline sampling event was completed to use up remaining process treatment chemicals.

Since the baseline sampling event, six rounds of natural attenuation monitoring have been completed. This report discusses the results from the two most recent groundwater sampling events (September 2004 and December 2004). The VOC and metals results from the September 2004 and December 2004 sampling events are summarized below. The natural attenuation results will be evaluated in the annual report.

- No VOCs were detected in the Ackerman residential well. Methylene chloride was detected in the Pretasky (0.58 ug/l), Johnson (0.4 ug/l), and Miller (0.45 ug/l) residential wells. The concentration of methylene chloride in the Pretasky well exceeded the PAL. No other VOCs were detected in the four residential wells. Metals detected in residential wells included barium, iron, manganese, mercury, arsenic, and vanadium. Concentrations of iron and manganese exceeded the ES and/or the PAL in the four residential wells. Arsenic concentrations in the Pretasky and Miller wells exceeded the PAL. No other PALs or ES were exceeded in the four residential wells.

- Of the 37 VOCs analyzed, 17 VOCs were detected. The following is a list of detected VOCs.

1,2,4-trimethylbenzene	naphthalene	1,1-dichloroethane
1,3,5-trimethylbenzene	toluene	cis-1,2-dichloroethene
methylene chloride	chlorobenzene	chloroethane
xylenes (total)	ethylbenzene	trichloroethene
chloromethane	bromomethane	2-butanone
acetone	benzene	

- The most commonly detected VOC contaminants were the trimethylbenzenes (1,2,4 & 1,3,

5), methylene chloride, acetone, xylenes, and ethylbenzene. Concentrations of trimethylbenzenes for the September and December 2004 sampling events are depicted on **Figures 6** and **7**, respectively. Concentrations of trimethylbenzenes and methylene chloride exceeded the ES in MW-4S and MW-5S. No other VOC exceeded the ES. The PAL was exceeded for methylene chloride (AW-9, AW-20, AW-25, AW-28, MW-6S, MW-8M, MW-8S, MW-14S, PZ-2, PZ-3), benzene (MW-2S), and naphthalene (MW-14S). No other VOC exceeded the PAL.

- Methylene chloride, 2-butanone (MEK), acetone, toluene, and 2-hexanone were detected in one or more of the trip blanks. Methylene chloride and acetone are common laboratory artifacts. The occurrence of VOC in the trip blanks will be further evaluated as part of the data validation. Results of the data validation will be presented in the annual report.

- Iron and manganese were the most prevalent metals detected in September and December 2004 samples. Concentrations of iron exceeded the ES in 16 monitoring wells and manganese exceeded the ES in 20 monitoring wells. No other ES were exceeded for metals.

- The PAL for manganese was exceeded in 20 wells and the PAL for iron was exceeded in 18 wells. Concentrations of arsenic exceeded the PAL in AW-20, MW-2M, MW-2S, MW-4S, MW-5S, and PZ-2. Concentrations of cobalt (MW-5S), barium (MW-2M, MW-6M, MW-8M, MW-15M), and lead (AW-13, AW-20, MW-6M, MW-8M) exceeded the PAL in the respective wells. No other PALs for metals were exceeded.

Task 450: Groundwater Monitoring Data Certification

Groundwater Monitoring Data Certification reports and certification forms were submitted to the WDNR after each of the September 2004 and December 2004 sampling events. Additionally, Groundwater Monitoring Data Certification reports and certification forms were submitted to the WDNR for the previous April 2003 and September 2004 sampling events. Each Groundwater Monitoring Data Certification report and certification included:

1. A summary of the groundwater monitoring event.
2. A discussion of suspected causes for PAL and ES exceedences.
3. An analytical summary table which identified exceedences.
4. An electronic copy of the data in the required (fixed width) format.
5. A complete, signed copy of the Environmental Monitoring Data Certification Form.

Task 500: Semi-Annual Reporting

This report concludes the semi-annual reporting requirement under the current contract.

Task 600: Emergency Response or "Out of Scope" Items

Several minor, "out of scope" items occurred during this reporting period. The out of scope items include electrical repair (the transformer servicing the site had failed), refilling/certifying the site fire extinguishers, and completing oil and filter changes on all oil containing equipment. Costs associated with completing these minor items were invoiced under the O&M task.

Task 700: Annual Reporting

An annual groundwater monitoring report will be submitted by August 31, 2005. The report will summarize operation and maintenance activities, will provide a summary of groundwater results and quality trends, and will include a data validation for metals and VOC analysis.

Task 800: Data Validation

ENSR will perform complete data validation on 10% of the groundwater samples. The data validation will include VOC and metals analysis. Results of the data validation will be provided in the annual report.

Task 900: Project Management

Project Management activities completed during this reporting period included invoicing, scheduling, contracting and other project coordinating activities. This task includes labor associated with processing other invoices (e.g. equipment purchases, supplies, and subcontracts) and preparing project invoices in accordance with WDNR requirements.

Closing

If you have any questions regarding this report or would like to discuss future activities at the site, please call Karen DeRungs or Peter Moore at (952) 924-0117.

Sincerely,

Karen DeRungs
Staff Scientist

Peter J. Moore, P.G
Senior Project Manager

FIGURES

FIGURES

Semi-Annual Report
Former Onalaska Municipal Landfill
Onalaska, Wisconsin

February 1, 2005

BLACK RIVER SHORELINE

BLACK RIVER SHORELINE

MILLER

PRETASKY

643.66
MW-1SR

CANOE LANDING

ASPHALT DRIVE

LYTLE ROAD

B.N.S.F. RAILROAD

STATE BIKE TRAIL

COUNTY ROAD "Z"

643.60

643.54
AW-1

JOHNSON WELL

MW-14S
643.56

v.low TMBs

643.54

PZ-1
643.50

AW-9

CLARIFIER

TMBs

AST WITH CONCRETE PIT

MW-5S
643.63

v.low TMBs

EW-5

PROCESS BUILDING

644.08
AW-13

EW-4

643.50
PZ-2

DESIGNATED MANAGEMENT ZONE

low TMBs

EW-3

AW-20
643.40

AW-25
643.43

EW-2

low TMBs

643.64
PZ-3

AW-28
643.44

643.62
MW-4S

T MBs

EW-1

PZ-5
643.59

PZ-6
643.52

643.55

MW-7M

MW-6
M S
643.40

MW-15M

GRAVEL DRIVE

MW-8

SPORTSMANS CLUB ROAD

ACKERMAN WELL

S M D
643.45

MW-12S
643.49

643.50

GARDEN SPIGOTS

PZ-4
643.45

643.45

MW-2
D M S
643.61

Inferrred direction of Groundwater Flow

PASTURE

CROPLAND

MW-10M

MW-9M

MW-11M

LEGEND

- ⊕ = Monitoring Well
- ● = Piezometer
- ⊠ = Extraction Well
- ○ = Air Well
- = Approximate Property Boundary
- = Approximate extent of landfill cap
- = Fence line
- = Utility lines
- = Utility pole
- = Hydrant
- 643.45 = Groundwater contour

Approximate Scale
1 inch = 175 feet

0 175 350

N

Source:

Onalaska Landfill Site Plan Survey, prepared by Coulee Region Land Surveyors, Inc., project no. S-4754, dated 5/14/03.

Figure 2
Shallow Groundwater Elevation Map
September 23, 2004
Onalaska Landfill
Onalaska, Wisconsin

DRAWN: AC	DATE: January 2005	PROJECT No.: 09413-114	ENSR INTERNATIONAL
FILE No.: GW Elev.dwg	CHECKED: PJM		

BLACK RIVER SHORELINE

BLACK RIVER SHORELINE

MILLER

PRETASKY

MW-1SR

CANOE LANDING

ASPHALT DRIVE

LYTLE ROAD

B.N.S.F. RAILROAD

STATE BIKE TRAIL

COUNTY ROAD "Z"

AW-1

JOHNSON WELL
MW-14S

CLARIFIER

AST WITH CONCRETE PIT

PZ-1 AW-9

MW-5S

EW-5

PROCESS BUILDING

AW-13

EW-4

PZ-2

DESIGNATED MANAGEMENT ZONE

EW-3

AW-20

AW-25

EW-2

AW-28

MW-2
D M S
643.62

643.60

MW-4S

EW-1

PZ-3

PZ-5

PZ-6

MW-6
M S
643.40

642.40
MW-15M

643.53
MW-7M

GRAVEL DRIVE

MW-8

SPORTSMANS CLUB ROAD

643.50

ACKERMAN WELL

S M D
643.61

MW-12S

GARDEN SPIGOTS

PZ-4

PASTURE

CROPLAND

643.29
MW-10M

643.32
MW-9M

643.40
MW-11M

643.40

643.30

LEGEND

- ⊕ = Monitoring Well
- ● = Piezometer
- ⊠ = Extraction Well
- ○ = Air Well
- = Approximate Property Boundary
- = Approximate extent of landfill cap
- = Fence line
- = Utility lines
- = Utility pole
- = Hydrant
- = Inferred direction of groundwater flow
- 643.30 = Groundwater contour

Approximate Scale
1 inch = 175 feet

0 175 350

N

Source:

Onalaska Landfill Site Plan Survey, prepared by Coulee Region Land Surveyors, Inc., project no. S-4754, dated 5/14/03.

Figure 3
Medium Groundwater Elevation Map
September 23, 2004
Onalaska Landfill
Onalaska, Wisconsin

DRAWN: CMB/5802	DATE: January 2005	PROJECT No.: 07349-001	ENSR INTERNATIONAL
FILE No.: GW Elev.dwg	CHECKED: PJM		

BLACK RIVER SHORELINE

BLACK RIVER SHORELINE

MILLER

PRETASKY

643.91
MW-1SR

CANOE LANDING
644.0

643.90

ASPHALT DRIVE

LYTLE ROAD

B.N.S.F. RAILROAD

STATE BIKE TRAIL

COUNTY ROAD "Z"

643.63
AW-1

JOHNSON WELL
MW-14S
643.71

CLARIFIER

643.62
PZ-1
643.59
AW-9

AST WITH CONCRETE PIT

MW-5S
643.65

EW-5

PROCESS BUILDING

643.85
AW-13

EW-4

646.59
PZ-2

DESIGNATED MANAGEMENT ZONE

EW-3

AW-20
643.50

AW-25
643.53

EW-2

AW-28
643.55

643.75
PZ-3

MW-6
M S
643.47

MW-15M

GRAVEL DRIVE

MW-8
S M D
643.47

ACKERMAN WELL

GARDEN SPIGOTS

PZ-4
643.52

MW-2
D M S
643.70

643.80

643.70

643.64
MW-4S

EW-1

PZ-5
643.63

PZ-6
643.58

643.60

MW-7M
643.50

SPORTSMANS CLUB ROAD

643.50

MW-12S
643.52

PASTURE

CROPLAND

MW-10M

MW-9M

MW-11M

LEGEND

- ⊕ = Monitoring Well
- ● = Piezometer
- ⊡ = Extraction Well
- ○ = Air Well
- = Approximate Property Boundary
- = Approximate extent of landfill cap
- = Fence line
- = Utility lines
- = Utility pole
- = Hydrant
- = Inferred direction of groundwater flow
- 643.90 = Groundwater contour

Approximate Scale
1 inch = 175 feet

0 175 350

N

Source:

Onalaska Landfill Site Plan Survey, prepared by Coulee Region Land Surveyors, Inc., project no. S-4754, dated 5/14/03.

Figure 4
Shallow Groundwater Elevation Map
December 2, 2004
Onalaska Landfill
Onalaska, Wisconsin

DRAWN: AC	DATE: January 2005	PROJECT No.: 07349-001	ENSR INTERNATIONAL
FILE No.: GW Elev.dwg	CHECKED: PJM		

BLACK RIVER SHORELINE

BLACK RIVER SHORELINE

MILLER

PRETASKY

MW-1SR

CANOE LANDING

ASPHALT DRIVE

LYTLE ROAD

B.N.S.F. RAILROAD

STATE BIKE TRAIL

COUNTY ROAD "Z"

AW-1

JOHNSON WELL

MW-14S

CLARIFIER

AST WITH CONCRETE PIT

PZ-1 AW-9

MW-5S

EW-5

PROCESS BUILDING

AW-13

EW-4

PZ-2

DESIGNATED MANAGEMENT ZONE

EW-3

AW-20

AW-25

EW-2

AW-28

MW-2
D M S
643.70

MW-4S

EW-1

PZ-3

PZ-5

PZ-6

MW-6
M S
643.48

643.48
MW-15M

GRAVEL DRIVE

MW-8

ACKERMAN WELL

S M D
643.50

MW-12S

643.57
MW-7M

SPORTSMANS CLUB ROAD

GARDEN SPIGOTS

PZ-4

643.60

643.50

PASTURE

CROPLAND

643.34
MW-10M

643.36
MW-9M

643.43
MW-11M

643.40

LEGEND

- ⊕ = Monitoring Well
- ● = Piezometer
- ⊠ = Extraction Well
- ○ = Air Well
- = Approximate Property Boundary
- = Approximate extent of landfill cap
- = Fence line
- = Utility lines
- = Utility pole
- = Hydrant
- = Inferred direction of groundwater flow
- 643.30 = Groundwater contour

Approximate Scale
1 inch = 175 feet

0 175 350

N

Source:

Onalaska Landfill Site Plan Survey, prepared by Coulee Region Land Surveyors, Inc., project no. S-4754, dated 5/14/03.

Figure 5
Medium Groundwater Elevation Map
December 2, 2004
Onalaska Landfill
Onalaska, Wisconsin

DRAWN: AC/09480	DATE: January 2005	PROJECT No.: 07349-001	ENSR INTERNATIONAL
FILE No.: GW Elev.dwg	CHECKED: PJM		

BLACK RIVER

SHORELINE

CANOE LANDING

MILLER ⊕ BDL / BDL

PRETASKY ⊕ BDL / BDL

MW-1SR ⊕ BDL / BDL

ASPHALT DRIVE

LYTLE ROAD

B.N.S.F. RAILROAD

STATE BIKE TRAIL

SPLIT RAIL FENCE

COUNTY ROAD "Z"

AW-1 NS

MW-2M NS

MW-2D NS

MW-2S NS

JOHNSON WELL

MW-14S ⊕ BDL / BDL NS

AW-9 BDL / BDL

CLARIFIER

210 / 19

PZ-1 ● NS

MW-5S ⊕

CONCRETE PIT

EW-5 ✕ NS

PROCESS BUILDING

AW-13 ○ 0.43 / ND

EW-4 ✕

TREES

● PZ-2 NS

EW-3 ✕

AW-20 ○ 34 / 6.6

AW-25 ○ BDL / BDL

EW-2 ✕

AW-28 ○ 2.2 / 0.24

MW-4S ⊕ 1,900 / 390

EW-1 ✕

● PZ-3 NS

TREES NS

PZ-5 ● NS

● PZ-6

MW-6S ⊕ NS

MW-6M ⊕ NS

MW-15M ⊕

GRAVEL DRIVE

MW-8M ⊕ NS

MW-7M ⊕ NS

SPORTSMANS CLUB ROAD

ACKERMAN WELL Ⓦ BDL / BDL

MW-8S ⊕ MW-8D ⊕ NS

MW-12S ⊕ NS

GARDEN SPIGOTS

PZ-4 ● NS

CROPLAND

PASTURE

NS MW-9M ⊕

NS MW-11M ⊕

MW-10M ⊕ NS

LEGEND

⊕ = Monitoring Well
● = Piezometer
✕ = Extraction Well
○ = Air Well
= Approximate Property Line
= Centerline
= Fence line
= Utility lines
= Utility pole
= Hydrant

N

Approximate Scale
1 inch = 175 feet

0 175 350

NOTES

NS = Not sampled
ND = Not Detected

7.8 / 6.0 = 1,2,4 – Trimethylbenzene / 1,3,5 – Trimethylbenzene concentration in groundwater (ug/l)

BDL = Below Detection Limit

Source:

Onalaska Landfill Site Plan Survey, prepared by Coulee Region Land Surveyors, Inc., project no. S-4754, dated 5/14/03.

Groundwater samples were collected by ENSR on September 23 and 24, 2004.

Figure 6
Q4y September 2004
Trimethylbenzene Groundwater Analytical Results
Onalaska Landfill
Onalaska, Wisconsin

DRAWN: AC/09480	DATE: January 2005	PROJECT No.: 07349-001	ENSR INTERNATIONAL
FILE No.:analytical.dwg	CHECKED: PJM		

BLACK RIVER SHORELINE

CANOE LANDING

MILLER ⊕ BDL / BDL

PRETASKY ⊕ BDL / BDL

MW-1SR ⊕ 0.13 / BDL

ASPHALT DRIVE

LYTLE ROAD

B.N.S.F. RAILROAD

STATE BIKE TRAIL

SPLIT RAIL FENCE

COUNTY ROAD "Z"

BLACK RIVER SHORELINE

AW-1 7.8 / 6.0

JOHNSON WELL Ⓦ BDL / BDL

MW-14S 3.1 / 1.3

AW-9 0.21 / BDL

CLARIFIER 1,300 / 350

PZ-1 NS

MW-5S

CONCRETE PIT

EW-5

PROCESS BUILDING

AW-13 3.2 / BDL

EW-4

MW-2M BDL / BDL

MW-2D NS

MW-2S 0.21 / BDL

TREES

PZ-2 BDL / BDL

EW-3

AW-20 34 / 2.5

AW-25 0.71 / BDL

EW-2

AW-28 34 / 9.7

MW-4S 1,600 / 410

EW-1

TREES BDL / BDL

PZ-3 BDL / BDL

MW-6S BDL / BDL

MW-6M 0.23 / BDL

PZ-5 BDL / BDL

PZ-6 NS

MW-7M ⊕ NS

MW-15M

GRAVEL DRIVE

MW-8M 1.7 / BDL

ACKERMAN WELL Ⓦ NS

SPORTSMANS CLUB ROAD

GARDEN SPIGOTS

MW-8S BDL / BDL

MW-8D

MW-12S NS

PZ-4 NS

CROPLAND

PASTURE

NS MW-9M

NS MW-11M

MW-10M NS

LEGEND

⊕ = Monitoring Well
● = Piezometer
× = Extraction Well
○ = Air Well
= Approximate Property Line
= Centerline
= Fence line
= Utility lines
= Utility pole
= Hydrant

N

Approximate Scale
1 inch = 175 feet

0 175 350

NOTES

NS = Not sampled
ND = Not Detected

7.8 / 6.0 = 1,2,4 – Trimethylbenzene concentration in groundwater (ug/l) / 1,3,5 – Trimethylbenzene concentration in groundwater (ug/l)

BDL = Below Detection Limit

Source:

Onalaska Landfill Site Plan Survey, prepared by Coulee Region Land Surveyors, Inc., project no. S-4754, dated 5/14/03.

Groundwater samples were collected by ENSR on December 2 and 3, 2004.

dan.

Figure 7
December 2004
Trimethylbenzene Groundwater Analytical Results
Onalaska Landfill
Onalaska, Wisconsin

DRAWN: AC/09480	DATE: January 2005	PROJECT No.: 07349-001	ENSR INTERNATIONAL
FILE No.:analytical.dwg	CHECKED: PJM		

TABLES

Semi-Annual Report
Former Onalaska Municipal Landfill
Onalaska, Wisconsin

February 1, 2005

Table 1
Groundwater Elevation Table
Onalaska Landfill
Onalaska, Wisconsin

Date of Water Level Measurements: September 23, 2004			
Well Number	**Elevation Top of Casing[1]**	**Depth to Groundwater**	**Elevation of Groundwater**
Ackerman Well	658.28	NM[2]	NM
Miller Well	NM	NM	NM
AW-1	663.62	20.08	643.54
AW-9	660.12	16.58	643.54
AW-13	658.85	14.82	644.03
AW-20	652.71	9.31	643.40
AW-25	657.26	13.83	643.43
AW-28	660.91	17.47	643.44
EW-1	666.86	NM	NM
EW-2	660.94	NM	NM
EW-3	657.61	NM	NM
EW-4	659.98	NM	NM
EW-5	659.07	NM	NM
Johnson Well	657.20	NM	NM
MW-10M	657.74	14.45	643.29
MW-11M	658.35	14.95	643.40
MW-12S	664.22	20.73	643.49
MW-14S	656.05	12.49	643.56
MW-15M	656.98	14.58	642.40
Pretasky Well	662.95	NM	NM
MW-1SR	660.54	16.88	643.66
MW-2D	673.90	NM[3]	NM
MW-2M	673.64	30.02	643.62
MW-2S	672.85	29.24	643.61
MW-4S	665.84	22.22	643.62
MW-5S	657.11	13.48	643.63
MW-6M	649.71	6.31	643.40
MW-6S	647.86	4.46	643.40
MW-7M	663.74	20.21	643.53
MW-8D	660.60	17.12	643.48
MW-8M	660.71	17.10	643.61
MW-8S	660.74	17.29	643.45
MW-9M	657.32	14.00	643.32
PZ-1	656.40	12.90	643.50
PZ-2	651.36	7.86	643.50
PZ-3	648.96	5.32	643.64
PZ-4	649.13	5.68	643.45
PZ-5	661.98	18.39	643.59
PZ-6	660.78	17.26	643.52

Notes:

1. Top of Casing elevation surveyed by Coulee Region Land Surveyors, Inc. on April 22, 2003. MW-1SR and Petrasky well were surveyed on April 13, 2004.
2. NM = Water level was not measured.
3. Obstruction at a depth of 29.41 feet.

Table 2
Groundwater Elevation Table
Onalaska Landfill
Onalaska, Wisconsin

Date of Water Level Measurements: December 2, 2004			
Well Number	**Elevation Top of Casing[1]**	**Depth to Groundwater**	**Elevation of Groundwater**
Ackerman Well	658.28	NM[2]	NM
AW-1	663.62	19.99	643.63
AW-9	660.12	16.5	643.62
AW-13	658.85	15.00	643.85
AW-20	652.71	9.21	643.50
AW-25	657.26	13.73	643.53
AW-28	660.91	17.36	643.55
EW-1	666.86	NM	NM
EW-2	660.94	NM	NM
EW-3	657.61	NM	NM
EW-4	659.98	NM	NM
EW-5	659.07	NM	NM
Johnson Well	657.20	NM	NM
Miller Well	NM	NM	NM
MW-10M	657.74	14.4	643.34
MW-11M	658.35	14.92	643.43
MW-12S	664.22	20.7	643.52
MW-14S	656.05	12.34	643.71
MW-15M	656.98	13.5	643.48
Pretasky Well	662.95	NM	NM
MW-1SR	660.54	16.63	643.91
MW-2D	673.90	NM[3]	NM
MW-2M	673.64	29.94	643.7
MW-2S	672.85	29.15	643.7
MW-4S	665.84	22.2	643.64
MW-5S	657.11	13.46	643.65
MW-6M	649.71	6.23	643.48
MW-6S	647.86	4.39	643.47
MW-7M	663.74	20.17	643.57
MW-8D	660.60	17.1	643.5
MW-8M	660.71	17.21	643.50
MW-8S	660.74	17.28	643.46
MW-9M	657.32	13.96	643.36
PZ-1	656.40	12.81	643.59
PZ-2	651.36	4.77	646.59
PZ-3	648.96	5.21	643.75
PZ-4	649.13	5.61	643.52
PZ-5	661.98	18.35	643.63
PZ-6	660.78	17.2	643.58

Notes:

1. Top of Casing elevation surveyed by Coulee Region Land Surveyors, Inc. on April 22, 2003. MW-1SR and Petrasky well were surveyed on April 13, 2004.
2. NM = Water level was not measured.
3. Obstruction at a depth of 29.41 feet.

Table 3
AW-1
Summary of Detected Compounds
Former Onalaska Landfill

Near side - down gr.

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/23/2003	4/13/2004	12/3/2004	PAL	ES
1,2,4-Trimethylbenzene	25	8.4	2.3	7.8	96	480
1,3,5-Trimethylbenzene	22	6.1	2.1	6	96	480
Acetone	6	< 1.1	< 0.66	0.82	200	1000
Benzene	< 0.37	< 0.37	0.45	<0.22	0.5	5
Methylene chloride	3.8	< 0.29	0.35	0.44	0.5	5
Xylenes (total)	4	4.7	< 0.45	1.2	1,000	10,000
Metals, mg/L						
Arsenic	< 0.0021	< 0.0021	< 0.0026	<0.0026	0.005	0.05
Barium	0.25	0.13	0.18	0.25	0.4	2
Cadmium	0.0032	< 0.00028	< 0.00028	<0.00028	0.0005	0.005
Cobalt	0.0043	< 0.00074	< 0.00096	0.0033	0.008	0.04
Iron	**4.5**	**0.39**	0.23	**2.2**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0017	<0.0017	0.0015	0.015
Manganese	**6**	**0.7**	**0.72**	**3.9**	0.025	0.05
Mercury	< 0.000087	< 0.000087	< 0.000029	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00071	<0.00071	0.006	0.03

Fe+Mn are similar to MW1SR (up-grt)

Dissolved Gases, ug/L						
Ethane	< 3	< 3	< 0.7	---	----	----
Ethene	< 2.9	< 2.9	< 0.65	---	----	----
Methane	1500	690	630	---	----	----
Natural Attenuation Parameters, mg/L						
Chloride	2.1	5.6	4.6	1.8	125	250
Nitrate as N	< 0.0076	0.83	8.6	0.098	2	10
Sulfate	9.1	6.2	17.2	10.8	125	250
Total Alkalinity	290	210	270	---	----	----
Total Organic Carbon	6	2	5	---	----	----
pH	---	6.98	---	6.56	----	----
Conductivity (mS/cm)	---	0.441	---	0.707	----	----
Temperature (C)	---	7.87	---	10.98	----	----
ORP (mV)	---	1.78	---	217	----	----
Dissolved Oxygen (mg/L)	---	4.5	---	0.63	----	----

Note: Please see notes provided at the end of this table.

Table 3
AW-9
Summary of Detected Compounds
Former Onalaska Landfill

~130' SW of waste
Quarterly well?

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/23/2003	10/8/2003	4/13/2004	9/24/2004	12/3/2004	PAL	ES
1,2,4-Trimethylbenzene	1.6	< 0.37	< 0.14	< 0.14	<0.12	0.21	96	480
1,3,5-Trimethylbenzene	< 0.4	< 0.4	< 0.18	< 0.18	<0.16	<0.16	96	480
Acetone	2.9	< 1.1	< 0.66	< 0.66	0.85	<0.74	200	1000
Benzene	< 0.37	< 0.37	< 0.2	0.39	<0.22	<0.22	0.5	5
Chloromethane	< 0.49	< 0.49	< 0.26	< 0.26	0.26	<0.14	----	----
Methylene chloride	3.8	0.34	< 0.28	< 0.28	<0.19	0.53	0.5	5
Xylenes (total)	< 0.44	< 0.44	0.61	< 0.45	<0.44	<0.44	1,000	10,000
Metals, mg/L								
Arsenic	< 0.0021	< 0.0021	< 0.0029	< 0.0026	<0.0026	<0.0026	0.005	0.05
Barium	0.072	0.051	0.19	0.043	0.068	0.068	0.4	2
Cadmium	< 0.00028	< 0.00028	< 0.00036	< 0.00028	<0.00028	<0.00028	0.0005	0.005
Cobalt	< 0.00074	< 0.00074	< 0.0011	< 0.00096	<0.00096	0.0011	0.008	0.04
Iron	0.067	< 0.042	0.11	< 0.049	0.24	**0.33**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0023	< 0.0017	<0.0017	<0.0017	0.0015	0.015
Manganese	0.041	0.016	**0.24**	**0.15**	**0.63**	**1.3**	0.025	0.05
Mercury	< 0.000087	< 0.000087	< 0.000067	< 0.000029	0.000065	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00096	< 0.00071	<0.00071	<0.00071	0.006	0.03
Dissolved Gases, ug/L								
Ethane	< 0.3	< 0.6	< 0.6	< 0.14	---	---	----	----
Ethene	< 0.29	< 0.58	< 0.58	< 0.13	---	---	----	----
Methane	260	220	340	110	---	---	----	----
Natural Attenuation Parameters, mg/L								
Chloride	3.1	3	6.9	2.6	---	4.2	125	250
Nitrate as N	0.42	1.1	0.07	2	---	0.36	2	10
Sulfate	3.5	3.1	5.4	3.7	---	3.2	125	250
Total Alkalinity	220	170	190	170	---	---	----	----
Total Organic Carbon	1	0.8	2	1	---	---	----	----
pH	7.07	---	7.23	---	6.46	6.82	----	----
Conductivity (mS/cm)	0.36	---	0.406	---	0.442	0.395	----	----
Temperature (C)	7.35	---	15.24	---	13.64	11.37	----	----
ORP (mV)	190	---	209	---	217	214	----	----
Dissolved Oxygen (mg/L)	6.67	---	6.02	---	3.15	1.57	----	----

Note: Please see notes provided at the end of this table.

Table 3
AW-13
Summary of Detected Compounds
Former Onalaska Landfill

200' SW of Waste

Volatile Organic Compounds (VOC), ug/L	12/12/2002	Duplicate 12/12/2002	4/22/2003	4/14/2004	9/23/2004	12/3/2004	PAL	ES
1,2,4-Trimethylbenzene	2	1.8	**860**	250	0.43	3.2	96	480
1,3,5-Trimethylbenzene	< 0.4	1.1	**32**	11	<0.16	<0.16	96	480
Acetone	2.5	5.9	< 24	< 6.6	0.84	<0.74	200	1000
Benzene	< 0.37	< 0.37	< 8.2	3.8	<0.22	<0.22	0.5	5
Methylene chloride	3.6	3.6	< 6.4	< 2.8	<0.19	0.48	0.5	5
Naphthalene	< 0.42	< 0.42	< 9.3	2.4	<0.15	<0.15	8	40
Toluene	< 0.39	< 0.39	< 8.7	5.3	0.19	0.36	200	1,000
Xylenes (total)	< 0.44	< 0.44	10	< 4.5	<0.44	<0.44	1,000	10,000
Metals, mg/L								
Arsenic	0.0033	< 0.0021	0.0048	0.0038	<0.0026	0.0033	0.005	0.05
Barium	0.28	0.27	0.2	0.28	0.26	0.3	0.4	2
Cadmium	< 0.00028	< 0.00028	0.00034	< 0.00028	<0.00028	<0.00028	0.0005	0.005
Cobalt	0.0043	0.0044	< 0.00074	0.0049	0.0053	0.0063	0.008	0.04
Iron	**4.7**	**5.1**	**34.8**	**10.4**	**5.6**	**7.5**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0016	< 0.0017	0.004	0.003	0.0015	0.015
Manganese	**24.3**	**23.7**	**11.4**	**22.7**	**19.7**	**28.2**	0.025	0.05
Mercury	< 0.000087	< 0.000087	< 0.000087	< 0.000029	0.000059	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00067	0.00084	0.0039	<0.00071	0.006	0.03
Dissolved Gases, ug/L								
Ethane	< 1.5	< 0.6	< 3	< 1.4	---	---	----	----
Ethene	< 1.4	< 0.58	< 2.9	< 1.3	---	---	----	----
Methane	300	340	2200	1800	---	---	----	----
Natural Attenuation Parameters, mg/L								
Chloride	2.6	2.3	6.7	3.5	---	1.6	125	250
Nitrate as N	0.2	0.28	0.01	< 0.016	---	0.064	2	10
Sulfate	3.1	2.7	0.49	0.69	---	0.21	125	250
Total Alkalinity	550	550	260	560	---	---	----	----
Total Organic Carbon	5	4	5	12	---	---	----	----
pH	---	---	7.08	---	6.35	6.7	----	----
Conductivity (mS/cm)	---	---	0.585	---	1.096	1.027	----	----
Temperature (C)	---	---	8.78	---	16.07	12.13	----	----
ORP (mV)	---	---	87	---	193	184	----	----
Dissolved Oxygen (mg/L)	---	---	0.32	---	3.32	0.42	----	----

Note: Please see notes provided at the end of this table.

Table 3
AW-20
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/22/2003	Duplicate 4/23/03	10/8/2003	4/14/2004	9/24/2004	12/3/2004	PAL	ES
1,2,4-Trimethylbenzene	22	**450**	**450**	170	3.4	34	34	96	480
1,3,5-Trimethylbenzene	17	**200**	**190**	120	0.5	6.6	2.5	96	480
2-Butanone	< 0.59	< 9.1	< 9.1	< 7.2	< 0.36	0.7	<0.39	----	----
Acetone	3.6	< 17	< 17	< 13	< 0.66	2.5	0.78	200	1000
Benzene	< 0.37	< 5.7	< 5.7	< 4	0.39	<0.22	<0.22	0.5	5
Chloromethane	< 0.49	< 7.5	< 7.5	< 5.2	< 0.26	0.23	<0.14	----	----
Ethylbenzene	< 0.41	< 6.3	< 6.3	< 3.8	< 0.19	0.28	0.21	140	700
Methylene chloride	3.4	< 4.5	< 4.5	< 5.6	< 0.28	<0.19	0.55	0.5	5
Naphthalene	0.64	8.2	8.9	6.8	0.97	1.2	0.98	8	40
Toluene	< 0.39	< 6	< 6	< 3.4	< 0.17	0.33	0.33	200	1,000
Xylenes (total)	1.1	30	28	12	< 0.45	1.5	1.4	1,000	10,000
Metals, mg/L									
Arsenic	0.0088	< 0.0021	< 0.0021	0.021	0.003	0.0083	0.0068	0.005	0.05
Barium	0.29	0.13	0.23	0.38	0.2	0.22	0.22	0.4	2
Cadmium	0.00037	< 0.00028	< 0.00028	< 0.00036	0.00029	<0.00028	<0.00028	0.0005	0.005
Cobalt	0.011	< 0.00074	0.01	0.011	0.0023	0.0053	0.0052	0.008	0.04
Iron	**23.3**	**0.39**	**5.4**	**50**	**0.44**	**25.1**	**20.3**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0016	< 0.0023	< 0.0017	0.0026	0.0021	0.0015	0.015
Manganese	**17**	**0.7**	**11.8**	**16.1**	**2.6**	**15.8**	**14.9**	0.025	0.05
Mercury	0.000087	< 0.000087	< 0.000087	< 0.000067	< 0.000029	0.000047	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00067	0.0029	< 0.00071	<0.00071	<0.00071	0.006	0.03
Dissolved Gases, ug/L									
Ethane	< 3	< 3	< 3	< 3	< 0.7	---	---	----	----
Ethene	< 2.9	< 2.9	< 2.9	< 2.9	< 0.65	---	---	----	----
Methane	1600	690	830	2200	890	---	---	----	----
Natural Attenuation Parameters, mg/L									
Chloride	1.8	5.6	7.1	5.5	2.4	---	1.3	125	250
Nitrate as N	< 0.0076	0.83	1.9	0.24	**25.7**	---	2.1	2	10
Sulfate	1.1	6.2	3.9	0.22	20.4	---	8.9	125	250
Total Alkalinity	600	210	400	520	420	---	---	----	----
Total Organic Carbon	15	2	10	21	12	---	---	----	----
pH	---	6.98	6.98	6.71	---	6.12	6.44	----	----
Conductivity (mS/cm)	---	0.445	0.445	1.09	---	0.992	0.849	----	----
Temperature (C)	---	7.61	7.61	15.46	---	15.11	10.62	----	----
ORP (mV)	---	147	147	141	---	154	168	----	----
Dissolved Oxygen (mg/L)	---	0.23	0.23	2.32	---	0.18	0.54	----	----

Note: Please see notes provided at the end of this table.

Table 3
AW-28
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/22/2003	4/14/2004	9/24/2004	12/3/2004	PAL	ES
1,2,4-Trimethylbenzene	45	44	10	2.2	34	96	480
1,3,5-Trimethylbenzene	21	18	2.6	0.24	9.7	96	480
Acetone	5.4	< 2.2	1.2	<0.74	1	200	1000
Benzene	< 0.46	< 0.74	0.44	<0.22	<0.22	0.5	5
Methylene chloride	4.6	< 0.58	< 0.28	<0.19	0.52	0.5	5
Naphthalene	< 0.52	< 0.84	0.25	<0.15	<0.15	8	40
Toluene	0.83	< 0.78	< 0.17	<0.17	<0.17	200	1,000
Xylenes (total)	2.9	1.6	0.57	<0.44	0.66	1,000	10,000
Metals, mg/L							
Arsenic	0.0026	< 0.0021	< 0.0026	<0.0026	<0.0026	0.005	0.05
Barium	0.26	0.22	0.22	0.19	0.25	0.4	2
Cadmium	< 0.00028	< 0.00028	0.00034	<0.00028	<0.00028	0.0005	0.005
Cobalt	0.0064	0.0036	0.0059	<0.00096	0.003	0.008	0.04
Iron	**9.8**	**3.7**	**0.74**	**0.66**	**5.6**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0017	<0.0017	<0.0017	0.0015	0.015
Manganese	**5**	**2.4**	**2.5**	**1.1**	**3.7**	0.025	0.05
Mercury	< 0.000087	< 0.000087	< 0.000029	0.000032	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00071	<0.00071	<0.00071	0.006	0.03
Dissolved Gases, ug/L							
Ethane	< 3	< 3	< 0.14	---	---	----	----
Ethene	< 2.9	< 2.9	0.18	---	---	----	----
Methane	1200	1700	2800	---	---	----	----
Natural Attenuation Parameters, mg/L							
Chloride	10.8	14	19.7	---	2.6	125	250
Nitrate as N	1.1	1.7	8.9	---	0.29	2	10
Sulfate	1.4	2.7	9.6	---	3.4	125	250
Total Alkalinity	370	360	390	---	---	----	----
Total Organic Carbon	9	11	33	---	---	----	----
pH	---	7.02	---	6.15	6.54	----	----
Conductivity (mS/cm)	---	0.7	---	0.67	0.722	----	----
Temperature (C)	---	8.35	---	14.29	12.34	----	----
ORP (mV)	---	166	---	214	184	----	----
Dissolved Oxygen (mg/L)	---	1.36	---	0.43	3.01	----	----

Note: Please see notes provided at the end of this table.

up-gradient

Table 3
MW-1SR
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	10/8/2003	4/13/2004	9/23/2004	12/2/2004	PAL	ES
1,2,4-Trimethylbenzene	1.1	< 0.14	<0.12	0.13	96	480
1,3,5-Trimethylbenzene	0.3	< 0.18	<0.16	<0.16	96	480
Benzene	< 0.2	0.5	<0.22	<0.22	0.5	5
Bromomethane	< 0.16	< 0.16	0.45	<0.36	----	----
Chloromethane	< 0.26	< 0.26	0.18	<0.14	----	----
Methylene chloride	< 0.28	< 0.28	<0.19	0.41	0.5	5
Naphthalene	0.34	< 0.16	<0.15	<0.15	8	40
Xylenes (total)	0.64	< 0.45	<0.44	<0.44	1,000	10,000
Metals, mg/L						
Arsenic	< 0.0029	< 0.0026	<0.0026	<0.0026	0.005	0.05
Barium	0.18	0.047	0.12	0.085	0.4	2
Cadmium	< 0.00036	< 0.00028	<0.00028	0.00029	0.0005	0.005
Cobalt	0.003	0.00099	<0.00096	0.0016	0.008	0.04
Iron	**6.2**	**0.76**	**2.8**	**2.8**	0.15	0.3
Lead	0.0024	< 0.0017	<0.0017	<0.0017	0.0015	0.015
Manganese	**2.1**	**1.8**	**4.3**	**4**	0.025	0.05
Mercury	< 0.000067	< 0.000029	<0.000029	<0.000029	0.0002	0.002
Vanadium	0.008	0.0018	<0.00071	0.0013	0.006	0.03
Dissolved Gases, ug/L						
Ethane	< 0.3	< 0.14	---	---	----	----
Ethene	< 0.29	< 0.13	---	---	----	----
Methane	250	87	---	---	----	----
Natural Attenuation Parameters, mg/L						
Chloride	8.9	7.3	---	9.3	125	250
Nitrate as N	< 0.019	0.23	---	<0.016	2	10
Sulfate	7	4.6	---	5.2	125	250
Total Alkalinity	95	97	---	---	----	----
Total Organic Carbon	5	5	---	---	----	----
pH	6.95	---	6.33	7.08	----	----
Conductivity (mS/cm)	0.254	---	0.363	0.359	----	----
Temperature (C)	11.93	---	13.74	12.06	----	----
ORP (mV)	162	---	182	203	----	----
Dissolved Oxygen (mg/L)	6.6	---	1.11	1.67	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-2M
Summary of Detected Compounds
Former Onalaska Landfill

V. minor hit during RA

ground @ 662.9
screen 594-584

Volatile Organic Compounds (VOC), ug/L	12/11/2002	4/22/2003	10/7/2003	4/13/2004	12/2/2004	PAL	ES
Acetone	5.5	< 1.1	< 0.66	< 0.66	<0.74	200	1000
Benzene	< 0.37	< 0.37	< 0.2	0.46	<0.22	0.5	5
Methylene chloride	3.1	< 0.29	< 0.28	< 0.28	0.4	0.5	5
Metals, mg/L							
Arsenic	0.019	0.019	0.02	0.021	0.019	0.005	0.05
Barium	0.37	0.66	0.42	0.35	0.43	0.4	2
Cadmium	< 0.00028	< 0.00028	< 0.00036	< 0.00028	<0.00028	0.0005	0.005
Cobalt	< 0.00074	< 0.00074	< 0.0011	< 0.00096	<0.00096	0.008	0.04
Iron	**5**	**9.6**	**6.4**	**4.9**	**5.7**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0023	< 0.0017	<0.0017	0.0015	0.015
Manganese	**0.41**	**0.64**	**0.41**	**0.49**	**0.47**	0.025	0.05
Mercury	0.000092	< 0.000087	< 0.000067	0.00084	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00096	< 0.00071	0.00089	0.006	0.03
Dissolved Gases, ug/L							
Ethane	< 0.3	< 0.6	< 0.3	< 0.14	---	----	----
Ethene	< 0.29	< 0.58	< 0.29	< 0.13	---	----	----
Methane	22	310	130	73	---	----	----
Natural Attenuation Parameters, mg/L							
Chloride	4.8	16	6.9	5.5	6.7	125	250
Nitrate as N	< 0.0076	< 0.0076	< 0.019	< 0.016	<0.016	2	10
Sulfate	0.13	< 0.11	< 0.14	< 0.11	<0.11	125	250
Total Alkalinity	100	160	110	100	---	----	----
Total Organic Carbon	4	4	4	4	---	----	----
pH	6.98	7.26	7.02	---	7.24	----	----
Conductivity (mS/cm)	0.231	0.391	0.26	---	0.271	----	----
Temperature (C)	10.01	10.61	10.6	---	9.64	----	----
ORP (mV)	107	89	140	---	147	----	----
Dissolved Oxygen (mg/L)	0.41	1.11	0.99	---	1.12	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-2S
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/11/2002	4/22/2003	10/7/2003	4/13/2004	12/2/2004	PAL	ES
1,2,4-Trimethylbenzene	< 0.37	< 0.37	0.14	< 0.14	0.21	96	480
1,3,5-Trimethylbenzene	< 0.4	< 0.4	< 0.18	< 0.18	<0.16	96	480
Acetone	3.8	< 1.1	< 0.66	4.1	<0.74	200	1000
Benzene	0.91	0.45	1.3	1.2	1.3	0.5	5
Carbon disulfide	< 0.24	< 0.24	< 0.21	0.44	<0.28	----	----
Chlorobenzene	19	1.5	13	7.1	23	----	----
Methylene chloride	2.8	< 0.29	< 0.28	< 0.28	0.42	0.5	5
Metals, mg/L							
Arsenic	0.012	0.012	0.011	0.013	0.012	0.005	0.05
Barium	0.17	0.14	0.18	0.14	0.18	0.4	2
Cadmium	< 0.00028	< 0.00028	< 0.00036	< 0.00028	0.00041	0.0005	0.005
Cobalt	0.008	0.0013	0.0019	0.0039	0.0022	0.008	0.04
Iron	**29.5**	**29.3**	**40**	**36.2**	**42.1**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0023	< 0.0017	<0.0017	0.0015	0.015
Manganese	**1.9**	**2.8**	**3**	**2.3**	**2.2**	0.025	0.05
Mercury	< 0.000087	< 0.000087	< 0.000067	< 0.000029	<0.000029	0.0002	0.002
Vanadium	0.00084	0.002	0.0013	0.0022	0.0019	0.006	0.03
Dissolved Gases, ug/L							
Ethane	< 1.5	< 1.5	< 3	< 1.4	---	----	----
Ethene	< 1.4	< 1.4	< 2.9	< 1.3	---	----	----
Methane	520	540	870	3200	---	----	----
Natural Attenuation Parameters, mg/L							
Chloride	26.1	18.4	12.8	9.2	34.5	125	250
Nitrate as N	< 0.0076	0.01	< 0.019	< 0.016	<0.016	2	10
Sulfate	< 0.11	0.22	0.25	0.23	0.12	125	250
Total Alkalinity	180	170	230	160	---	----	----
Total Organic Carbon	6	4	5	6	---	----	----
pH	6.47	6.74	6.47	---	6.29	----	----
Conductivity (mS/cm)	0.563	0.476	0.56	---	10.43	----	----
Temperature (C)	10.65	11.36	10.83	---	10.43	----	----
ORP (mV)	133	96	168	---	176	----	----
Dissolved Oxygen (mg/L)	3.35	0.9	1.93	---	2.49	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-4S
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	Duplicate 12/12/2002	4/22/2003	10/8/2003	4/13/2004	Duplicate 4/13/2004	9/24/2004	12/2/2004	Duplicate 12/3/2004	PAL	ES
1,2,4-Trimethylbenzene	**540**	**570**	**780**	**1100**	**1100**	**1000**	**1900**	**1600**	**1500**	96	480
1,3,5-Trimethylbenzene	**120**	**130**	**170**	**230**	**310**	**280**	**390**	**410**	**360**	96	480
Benzene	< 9.2	< 9.2	< 11	< 17	**13**	**17**	<16	<11	<11	0.5	5
Ethylbenzene	10	< 10	16	38	9.4	8.4	50	26	27	140	700
Methylene chloride	< 7.2	< 7.2	< 8.3	< 23	< 11	< 8	<14	**49**	**42**	0.5	5
Naphthalene	< 10	< 10	14	20	< 6.4	7.6	<11	<7.5	<7.5	8	40
Xylenes (total)	29	27	54	160	52	39	210	93	87	1,000	10,000
Metals, mg/L											
Arsenic	0.0089	0.009	0.0065	0.0091	0.0086	0.0083	0.0066	0.0095	0.01	0.005	0.05
Barium	0.3	0.32	0.26	0.29	0.33	0.33	0.29	0.32	0.33	0.4	2
Cadmium	< 0.00028	< 0.00028	< 0.00028	< 0.00036	< 0.00028	< 0.00028	<0.00028	<0.00028	<0.00028	0.0005	0.005
Cobalt	< 0.00074	< 0.00074	< 0.00074	< 0.0011	< 0.00096	< 0.00096	<0.00096	<0.00096	<0.00096	0.008	0.04
Iron	**16.9**	**17.2**	**15.4**	**18.9**	**24.7**	**25.4**	**18**	**22.9**	**23.2**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0016	< 0.0023	< 0.0017	< 0.0017	<0.0017	<0.0017	<0.0017	0.0015	0.015
Manganese	**2.1**	**2.1**	**1.8**	**2.1**	**2.1**	**2.2**	**2.1**	**2.5**	**2.5**	0.025	0.05
Mercury	< 0.000087	< 0.000087	< 0.000087	< 0.000067	< 0.000029	< 0.000029	0.000045	<0.000029	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00067	< 0.00096	< 0.00071	0.00088	<0.00071	<0.00071	0.0012	0.006	0.03
Dissolved Gases, ug/L											
Ethane	< 3	< 3	< 3	< 3	< 2.8	< 2.8	---	---	---	----	----
Ethene	< 2.9	< 2.9	< 2.9	< 2.9	< 2.6	< 2.6	---	---	---	----	----
Methane	1200	750	1700	1400	160	500	---	---	---	----	----
Natural Attenuation Parameters, mg/L											
Chloride	13.5	13.5	10.2	7.7	11.4	11	---	5.9	6.1	125	250
Nitrate as N	< 0.0076	< 0.0076	< 0.0076	< 0.019	< 0.016	< 0.016	---	<0.016	<0.016	2	10
Sulfate	0.98	0.92	0.22	0.15	1	1.1	---	0.14	0.44	125	250
Total Alkalinity	280	280	260	290	310	310	---	---	---	----	----
Total Organic Carbon	5	6	5	4	12	14	---	---	---	----	----
pH	6.66	7.15	---	6.825	---	---	6.34	6.61	---	----	----
Conductivity (mS/cm)	0.612	0.543	---	0.611	---	---	0.635	0.645	---	----	----
Temperature (C)	12.02	10.15	---	11.72	---	---	11.88	12.44	---	----	----
ORP (mV)	117	132	---	133	---	---	181	173	---	----	----
Dissolved Oxygen (mg/L)	4.49	0.58	---	7.49	---	---	3.02	1.13	---	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-5S
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/22/2003	10/7/2003	4/14/2004	Duplicate 4/14/2004	9/23/2004	Duplicate 9/23/2004	12/2/2004	Duplicate 12/2/2004	PAL	ES
1,2,4-Trimethylbenzene	210	180	**750**	67	51	210	150	**1300**	**1200**	96	480
1,3,5-Trimethylbenzene	47	38	**200**	2.7	2.4	19	15	**350**	**330**	96	480
Benzene	< 2.8	< 2.1	< 13	1.5	0.56	<1.3	<1.7	<11	<11	0.5	5
Ethylbenzene	6.2	5.1	29	1.5	1.2	5.9	5.7	60	54	140	700
Methylene chloride	3.9	< 1.7	< 19	< 0.93	< 0.56	<1.1	<1.5	**41**	**41**	0.5	5
Naphthalene	6.2	5.4	28	2.2	1.6	7.7	14	<7.5	<7.5	8	40
Xylenes (total)	12	13	150	2	1.8	120	94	160	160	1,000	10,000
Metals, mg/L											
Arsenic	0.0098	0.011	0.022	0.01	0.012	0.0053	0.0047	0.012	0.012	0.005	0.05
Barium	0.18	0.28	0.27	0.27	0.28	0.29	0.29	0.31	0.29	0.4	2
Cadmium	< 0.00028	< 0.00028	< 0.00036	< 0.00028	< 0.00028	<0.00028	<0.00028	0.00032	0.00033	0.0005	0.005
Cobalt	0.0025	0.0041	0.0058	0.0045	0.0041	0.0056	0.0054	0.0094	0.0091	0.008	0.04
Iron	**10.2**	**19.4**	**30.5**	**11.2**	**11.7**	**15.9**	**16.3**	**34.7**	**31.9**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0023	< 0.0017	< 0.0017	<0.0017	0.003	<0.0017	<0.0017	0.0015	0.015
Manganese	**1.6**	**2**	**2.3**	**1.3**	**1.3**	**2.5**	**2.6**	**3.3**	**3.1**	0.025	0.05
Mercury	0.000088	< 0.000087	0.000075	< 0.000029	< 0.000029	<0.000029	<0.000029	<0.000029	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00096	< 0.00071	< 0.00071	<0.00071	<0.00071	<0.00071	<0.00071	0.006	0.03
Dissolved Gases, ug/L											
Ethane	< 3	< 0.3	< 3	< 1.4	< 2.8	---	---	---	---	----	----
Ethene	< 2.9	< 0.29	< 2.9	< 1.3	< 2.6	---	---	---	---	----	----
Methane	130	230	910	1100	490	---	---	---	---	----	----
Natural Attenuation Parameters, mg/L											
Chloride	5.8	5.7	4.3	4.6	4.5	---	---	5	5	125	250
Nitrate as N	0.1	0.62	0.02	0.94	1.3	---	---	0.47	0.45	2	10
Sulfate	0.34	3.3	0.16	1.8	2.3	---	---	0.77	0.81	125	250
Total Alkalinity	140	160	180	160	160	---	---	---	---	----	----
Total Organic Carbon	5	4	9	6	6	---	---	---	---	----	----
pH	6.99	7.12	6.65	---	---	6.1	---	6.42	---	----	----
Conductivity (mS/cm)	0.333	0.379	0.425	---	---	0.645	---	0.549	---	----	----
Temperature (C)	12.4	9.66	12.77	---	---	13.51	---	12.73	---	----	----
ORP (mV)	106	117	151	---	---	192	---	178	---	----	----
Dissolved Oxygen (mg/L)	1.75	0.74	5.12	---	---	2.27	---	1.17	---	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-6M
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	10/7/2003	12/2/2004	PAL	ES
1,1-Dichloroethane	< 0.3	0.61	0.27	85	850
1,2,4-Trimethylbenzene	< 0.37	< 0.14	0.23	96	480
1,3,5-Trimethylbenzene	< 0.4	< 0.18	<0.16	96	480
Acetone	2.1	< 0.66	<0.74	200	1000
cis-1,2-Dichloroethene	< 0.35	0.42	0.35	7	70
Methylene chloride	2.1	< 0.28	0.44	0.5	5
Metals, mg/L					
Arsenic	0.0024	< 0.0029	<0.0026	0.005	0.05
Barium	0.75	0.89	0.77	0.4	2
Cadmium	< 0.00028	< 0.00036	<0.00028	0.0005	0.005
Cobalt	< 0.00074	< 0.0011	<0.00096	0.008	0.04
Iron	< 0.042	0.12	<0.049	0.15	0.3
Lead	< 0.0016	0.0024	0.0023	0.0015	0.015
Manganese	**1.7**	**2.8**	**2**	0.025	0.05
Mercury	0.000097	< 0.000067	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00096	<0.00071	0.006	0.03
Dissolved Gases, ug/L					
Ethane	< 0.3	< 0.3	---	----	----
Ethene	< 0.29	< 0.29	---	----	----
Methane	1.1	6.6	---	----	----
Natural Attenuation Parameters, mg/L					
Chloride	6	4.7	5	125	250
Nitrate as N	< 0.0076	0.02	<0.016	2	10
Sulfate	0.42	1.8	0.2	125	250
Total Alkalinity	100	140	---	----	----
Total Organic Carbon	4	3	---	----	----
pH	7.49	7.44	7.64	----	----
Conductivity (mS/cm)	0.227	0.289	0.3	----	----
Temperature (C)	10.5	10.71	10.25	----	----
ORP (mV)	96	140	195	----	----
Dissolved Oxygen (mg/L)	0.42	4.41	3.22	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-6S
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	10/7/2003	12/2/2004	PAL	ES
1,1-Dichloroethane	0.55	0.71	0.29	85	850
Acetone	2.6	< 0.66	<0.74	200	1000
cis-1,2-Dichloroethene	< 0.35	0.59	0.36	7	70
Methylene chloride	2.2	< 0.28	0.54	0.5	5
Trichloroethene	< 0.42	0.37	<0.28	0.5	5
Metals, mg/L					
Arsenic	< 0.0021	< 0.0029	<0.0026	0.005	0.05
Barium	0.17	0.13	0.22	0.4	2
Cadmium	< 0.00028	< 0.00036	<0.00028	0.0005	0.005
Cobalt	0.0022	< 0.0011	0.0025	0.008	0.04
Iron	0.065	< 0.044	0.25	0.15	0.3
Lead	< 0.0016	< 0.0023	<0.0017	0.0015	0.015
Manganese	**2.7**	**2.7**	**3.6**	0.025	0.05
Mercury	< 0.000087	< 0.000067	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00096	0.00071	0.006	0.03
Dissolved Gases, ug/L					
Ethane	< 0.3	< 0.3	---	----	----
Ethene	< 0.29	< 0.29	---	----	----
Methane	2.9	7.9	---	----	----
Natural Attenuation Parameters, mg/L					
Chloride	6.7	5.6	11	125	250
Nitrate as N	< 0.0076	< 0.019	<0.016	2	10
Sulfate	4	3.6	9.7	125	250
Total Alkalinity	160	150	---	----	----
Total Organic Carbon	6	5	---	----	----
pH	7.45	7.37	7.25	----	----
Conductivity (mS/cm)	0.342	0.307	0.506	----	----
Temperature (C)	11.1	10.28	11.4	----	----
ORP (mV)	113	127	191	----	----
Dissolved Oxygen (mg/L)	2.86	3.08	0.84	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-8M
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/11/2002	10/7/2003	12/2/2004	PAL	ES
1,2,4-Trimethylbenzene	< 0.37	0.36	1.7	96	480
1,3,5-Trimethylbenzene	< 0.4	0.22	<0.16	96	480
Acetone	2.9	< 0.66	<0.74	200	1000
Benzene	< 0.37	< 0.2	0.3	0.5	5
Chloroethane	< 0.29	< 0.22	0.43	----	----
cis-1,2-Dichloroethene	< 0.35	< 0.25	0.41	7	70
Ethylbenzene	< 0.41	< 0.19	2.4	140	700
Methylene chloride	3.2	< 0.28	0.55	0.5	5
Trichloroethene	< 0.42	0.23	0.3	0.5	5

Metals, mg/L					
Arsenic	< 0.0021	< 0.0029	0.0027	0.005	0.05
Barium	0.68	0.73	0.7	0.4	2
Cadmium	< 0.00028	< 0.00036	0.0003	0.0005	0.005
Cobalt	< 0.00074	< 0.0011	<0.00096	0.008	0.04
Iron	< 0.042	0.045	0.12	0.15	0.3
Lead	< 0.0016	< 0.0023	0.002	0.0015	0.015
Manganese	**2.7**	**2.8**	**3.3**	0.025	0.05
Mercury	0.00009	< 0.000067	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00096	<0.00071	0.006	0.03

Dissolved Gases, ug/L					
Ethane	< 0.3	< 0.3	---	----	----
Ethene	< 0.29	< 0.29	---	----	----
Methane	2	110	---	----	----

Natural Attenuation Parameters, mg/L					
Chloride	2.6	12.8	14	125	250
Nitrate as N	< 0.0076	< 0.019	<0.016	2	10
Sulfate	5.7	1.1	0.84	125	250
Total Alkalinity	220	240	---	----	----
Total Organic Carbon	2	3	---	----	----

pH	7.41	7.31	7.37	----	----
Conductivity (mS/cm)	0.422	0.479	0.558	----	----
Temperature (C)	9.95	10.44	10.21	----	----
ORP (mV)	105	150	194	----	----
Dissolved Oxygen (mg/L)	1.74	0.92	1.02	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-8S
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/11/2002	10/7/2003	12/2/2004	PAL	ES
Acetone	2.2	< 0.66	<0.74	200	1000
Methylene chloride	2.6	< 0.28	0.5	0.5	5
Metals, mg/L					
Arsenic	< 0.0021	< 0.0029	<0.0026	0.005	0.05
Barium	0.088	0.093	0.073	0.4	2
Cadmium	< 0.00028	< 0.00036	0.00029	0.0005	0.005
Cobalt	< 0.00074	< 0.0011	<0.00096	0.008	0.04
Iron	0.052	< 0.044	**0.45**	0.15	0.3
Lead	< 0.0016	< 0.0023	<0.0017	0.0015	0.015
Manganese	**0.59**	**0.32**	**0.79**	0.025	0.05
Mercury	< 0.000087	< 0.000067	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00096	0.001	0.006	0.03
Dissolved Gases, ug/L					
Ethane	< 0.3	< 0.3	---	----	----
Ethene	< 0.29	< 0.29	---	----	----
Methane	0.58	6.2	---	----	----
Natural Attenuation Parameters, mg/L					
Chloride	9.5	17.2	7.1	125	250
Nitrate as N	1.5	0.15	0.21	2	10
Sulfate	12.3	5.6	12.2	125	250
Total Alkalinity	190	230	---	----	----
Total Organic Carbon	0.9	2	---	----	----
pH	7.32	7.15	7.41	----	----
Conductivity (mS/cm)	0.44	0.497	0.373	----	----
Temperature (C)	11.73	11.96	12.14	----	----
ORP (mV)	124	177	208	----	----
Dissolved Oxygen (mg/L)	7.07	4.3	3.34	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-14S
Summary of Detected Compounds
Former Onalaska Landfill

Next to Johnson well

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/23/2003	10/8/2003	4/13/2004	12/2/2004	PAL	ES
1,2,4-Trimethylbenzene	1.7	0.97	5.5	2.1	3.1	96	480
1,3,5-Trimethylbenzene	0.64	< 0.4	1.8	0.8	1.3	96	480
Acetone	4.3	< 1.1	< 3.3	< 0.66	2	200	1000
Benzene	< 0.37	< 0.37	< 1	0.43	<0.37	0.5	5
Ethylbenzene	< 0.41	< 0.41	1.2	0.4	0.78	140	700
Methylene chloride	2.1	< 0.29	< 1.4	< 0.28	1.2	0.5	5
Naphthalene	5	2.2	18	6	11	8	40
Xylenes (total)	1.4	0.47	2.3	1.1	2.1	1,000	10,000
Metals, mg/L							
Arsenic	< 0.0021	< 0.0021	< 0.0029	< 0.0026	0.0029	0.005	0.05
Barium	0.18	0.084	0.19	0.11	0.16	0.4	2
Cadmium	0.00045	< 0.00028	< 0.00036	< 0.00028	<0.00028	0.0005	0.005
Cobalt	0.0052	0.0015	< 0.0011	0.0017	0.0013	0.008	0.04
Iron	**11.6**	**2.5**	**17.8**	**5.4**	**12.1**	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0023	< 0.0017	<0.0017	0.0015	0.015
Manganese	**3.7**	**0.83**	**7**	**1.9**	**3.1**	0.025	0.05
Mercury	0.000088	< 0.000087	< 0.000067	< 0.000029	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00067	< 0.00096	< 0.00071	0.0011	0.006	0.03
Dissolved Gases, ug/L							
Ethane	< 3	< 0.6	< 3	< 1.4	---	----	----
Ethene	< 2.9	< 0.58	< 2.9	< 1.3	---	----	----
Methane	450	430	1200	1700	---	----	----
Natural Attenuation Parameters, mg/L							
Chloride	5	5.4	7.3	5.7	3.4	125	250
Nitrate as N	0.01	0.34	< 0.019	0.21	0.082	2	10
Sulfate	3	5.4	0.18	8.4	4.3	125	250
Total Alkalinity	210	150	170	160	---	----	----
Total Organic Carbon	14	5	12	10	---	----	----
pH	6.88	6.96	6.89	---	6.41	----	----
Conductivity (mS/cm)	0.441	0.328	0.404	---	0.385	----	----
Temperature (C)	11.13	7.7	12.24	---	11.6	----	----
ORP (mV)	114	166	162	---	188	----	----
Dissolved Oxygen (mg/L)	3.22	5.02	6.03	---	2.11	----	----

Note: Please see notes provided at the end of this table.

Table 3
MW-15M
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	10/7/2003	Duplicate 10/7/2003	12/2/2004	PAL	ES
1,1-Dichloroethane	1	< 0.26	< 0.26	<0.21	85	850
1,2,4-Trimethylbenzene	< 0.37	0.29	0.28	<0.12	96	480
1,3,5-Trimethylbenzene	< 0.4	< 0.18	< 0.18	<0.16	96	480
cis-1,2-Dichloroethene	0.56	0.29	0.26	<0.21	7	70
Methylene chloride	3	< 0.28	< 0.28	0.44	0.5	5
Metals, mg/L						
Arsenic	0.0054	< 0.0029	< 0.0029	<0.0026	0.005	0.05
Barium	0.86	0.74	0.75	0.44	0.4	2
Cadmium	0.00031	0.00092	< 0.00036	<0.00028	0.0005	0.005
Cobalt	0.0012	< 0.0011	< 0.0011	<0.00096	0.008	0.04
Iron	**1.1**	**4.1**	**1.6**	**0.51**	0.15	0.3
Lead	0.0049	**0.13**	**0.043**	<0.0017	0.0015	0.015
Manganese	**3.6**	**3.4**	**3.5**	**2.2**	0.025	0.05
Mercury	0.000092	< 0.000067	< 0.000067	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00096	< 0.00096	<0.00071	0.006	0.03
Dissolved Gases, ug/L						
Ethane	< 0.3	< 0.3	< 0.3	---	----	----
Ethene	< 0.29	< 0.29	< 0.29	---	----	----
Methane	12	19	21	---	----	----
Natural Attenuation Parameters, mg/L						
Chloride	5.2	5.1	5.2	3.8	125	250
Nitrate as N	0.03	< 0.019	< 0.019	<0.016	2	10
Sulfate	2.4	5.8	5.6	5.5	125	250
Total Alkalinity	240	230	230	---	----	----
Total Organic Carbon	3	2	2	---	----	----
pH	7.25	7.2	---	7.44	----	----
Conductivity (mS/cm)	0.466	0.469	---	0.299	----	----
Temperature (C)	10.65	10.76	---	10.31	----	----
ORP (mV)	93	100	---	172	----	----
Dissolved Oxygen (mg/L)	0.51	2.3	---	0.68	----	----

Note: Please see notes provided at the end of this table.

Table 3
PZ-2
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/11/2002	10/7/2003	12/2/2004	PAL	ES
Acetone	2.6	< 0.66	2.9	200	1000
Methylene chloride	2.4	< 0.28	0.64	0.5	5
Metals, mg/L					
Arsenic	**0.056**	< 0.0029	0.011	0.005	0.05
Barium	0.66	0.071	0.14	0.4	2
Cadmium	< 0.00028	< 0.00036	0.00033	0.0005	0.005
Cobalt	0.011	< 0.0011	0.0024	0.008	0.04
Iron	**98.8**	**20.8**	**39.6**	0.15	0.3
Lead	0.0062	< 0.0023	<0.0017	0.0015	0.015
Manganese	**5.2**	**1.5**	**3.4**	0.025	0.05
Mercury	0.00013	< 0.000067	<0.000029	0.0002	0.002
Vanadium	0.026	0.0016	0.0017	0.006	0.03
Dissolved Gases, ug/L					
Ethane	< 0.6	< 3	---	----	----
Ethene	< 0.58	< 2.9	---	----	----
Methane	98	490	---	----	----
Natural Attenuation Parameters, mg/L					
Chloride	8.6	6.6	9.1	125	250
Nitrate as N	< 0.0076	< 0.019	<0.016	2	10
Sulfate	2.4	< 0.14	3.2	125	250
Total Alkalinity	160	77	---	----	----
Total Organic Carbon	15	7	---	----	----
pH	6.68	6.67	6.41	----	----
Conductivity (mS/cm)	0.432	0.239	0.412	----	----
Temperature (C)	11.03	11.08	10.89	----	----
ORP (mV)	116	149	173	----	----
Dissolved Oxygen (mg/L)	5.14	4.43	1.6	----	----

Note: Please see notes provided at the end of this table.

Table 3
PZ-3
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/11/2002	10/7/2003	12/2/2004	PAL	ES
Acetone	3.1	< 0.66	1.3	200	1000
Methylene chloride	2.5	< 0.28	1.1	0.5	5
Metals, mg/L					
Arsenic	0.0038	< 0.0029	<0.0026	0.005	0.05
Barium	0.097	0.081	0.16	0.4	2
Cadmium	0.00099	< 0.00036	<0.00028	0.0005	0.005
Cobalt	0.0018	< 0.0011	0.0014	0.008	0.04
Iron	**1.2**	**0.58**	**1.5**	0.15	0.3
Lead	< 0.0016	< 0.0023	<0.0017	0.0015	0.015
Manganese	**2.7**	**2.2**	**3.9**	0.025	0.05
Mercury	0.00012	0.00007	<0.000029	0.0002	0.002
Vanadium	0.0028	< 0.00096	0.00092	0.006	0.03
Dissolved Gases, ug/L					
Ethane	< 0.3	< 0.3	---	----	----
Ethene	< 0.29	< 0.29	---	----	----
Methane	2.4	51	---	----	----
Natural Attenuation Parameters, mg/L					
Chloride	6.3	5.5	7.8	125	250
Nitrate as N	< 0.0076	< 0.019	<0.016	2	10
Sulfate	1.2	3.5	0.74	125	250
Total Alkalinity	160	180	---	----	----
Total Organic Carbon	---	6	---	----	----
pH	7.06	6.96	6.97	----	----
Conductivity (mS/cm)	0.33	0.363	0.558	----	----
Temperature (C)	10.98	10.18	11.09	----	----
ORP (mV)	133	191	179	----	----
Dissolved Oxygen (mg/L)	4.48	3.83	0.78	----	----

Note: Please see notes provided at the end of this table.

Table 3
PZ-5
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	12/12/2002	4/23/2003	10/8/2003	4/13/2004	12/2/2004	PAL	ES
Acetone	3	< 1.1	< 0.66	< 0.66	<0.74	200	1000
Benzene	< 0.37	< 0.37	< 0.2	0.49	<0.22	0.5	5
Methylene chloride	2.5	0.34	< 0.28	< 0.28	0.48	0.5	5
Metals, mg/L							
Arsenic	< 0.0021	< 0.0021	< 0.0029	< 0.0026	<0.0026	0.005	0.05
Barium	0.091	0.075	0.082	0.061	0.061	0.4	2
Cadmium	< 0.00028	< 0.00028	< 0.00036	< 0.00028	0.00048	0.0005	0.005
Cobalt	< 0.00074	< 0.00074	< 0.0011	0.001	<0.00096	0.008	0.04
Iron	0.13	0.12	< 0.044	**0.59**	0.091	0.15	0.3
Lead	< 0.0016	< 0.0016	< 0.0023	< 0.0017	<0.0017	0.0015	0.015
Manganese	**0.18**	**0.17**	**0.43**	**0.67**	**0.73**	0.025	0.05
Mercury	0.000098	< 0.000087	< 0.000067	< 0.000029	<0.000029	0.0002	0.002
Vanadium	0.0011	0.00075	< 0.00096	0.0012	0.0011	0.006	0.03
Dissolved Gases, ug/L							
Ethane	< 0.6	< 0.3	< 0.3	< 0.28	---	----	----
Ethene	< 0.58	< 0.29	< 0.29	< 0.26	---	----	----
Methane	130	210	47	47	---	----	----
Natural Attenuation Parameters, mg/L							
Chloride	9.7	8.6	5.6	2.6	1.4	125	250
Nitrate as N	0.48	0.37	0.28	0.47	0.088	2	10
Sulfate	5.7	10.1	5.5	4.6	3.6	125	250
Total Alkalinity	260	220	260	190	---	----	----
Total Organic Carbon	2	1	2	2	---	----	----
pH	7.15	7.18	7.16	---	7.31	----	----
Conductivity (mS/cm)	0.529	0.469	0.492	---	0.361	----	----
Temperature (C)	10.98	8.72	10.56	---	10.95	----	----
ORP (mV)	112	159	157	---	208	----	----
Dissolved Oxygen (mg/L)	1.21	2.42	3.63	---	4.17	----	----

Note: Please see notes provided at the end of this table.

Table 3
Johnson (Formerly Hubley)
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	4/22/2003	10/8/2003	9/23/2004	12/2/2004	PAL	ES
1,2,4-Trimethylbenzene	< 0.37	0.18	<0.12	<0.12	96	480
1,3,5-Trimethylbenzene	< 0.4	< 0.18	<0.16	<0.16	96	480
Chloromethane	< 0.49	< 0.26	0.18	<0.14	----	----
Methylene chloride	< 0.29	< 0.28	<0.19	0.4	0.5	5
Metals, mg/L						
Arsenic	< 0.0021	< 0.0029	<0.0026	<0.0026	0.005	0.05
Barium	0.084	0.087	0.083	0.089	0.4	2
Cadmium	< 0.00028	< 0.00036	<0.00028	<0.00028	0.0005	0.005
Cobalt	< 0.00074	< 0.0011	<0.00096	<0.00096	0.008	0.04
Iron	0.16	0.16	0.079	0.17	0.15	0.3
Lead	< 0.0016	< 0.0023	<0.0017	<0.0017	0.0015	0.015
Manganese	**0.2**	**0.32**	**0.35**	**0.2**	0.025	0.05
Mercury	< 0.000087	< 0.000067	<0.000029	<0.000029	0.0002	0.002
Vanadium	< 0.00067	< 0.00096	<0.00071	<0.00071	0.006	0.03
Dissolved Gases, ug/L						
Ethane	---	---	---	---	----	----
Ethene	---	---	---	---	----	----
Methane	---	---	---	---	----	----
Natural Attenuation Parameters, mg/L						
Chloride	---	---	---	---	125	250
Nitrate as N	---	---	---	---	2	10
Sulfate	---	---	---	---	125	250
Total Alkalinity	---	---	---	---	----	----
Total Organic Carbon	---	---	---	---	----	----

Note: Please see notes provided at the end of this table.

Table 3
Miller
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	9/24/2004	12/2/2004	PAL	ES
Chloromethane	0.18	<0.14	----	----
Methylene chloride	<0.19	0.45	0.5	5
Toluene	1.5	<0.17	200	1,000
Metals, mg/L				
Arsenic	0.0072	0.0098	0.005	0.05
Barium	0.29	0.28	0.4	2
Cadmium	<0.00028	<0.00028	0.0005	0.005
Cobalt	<0.00096	<0.00096	0.008	0.04
Iron	**8.8**	**9.3**	0.15	0.3
Lead	<0.0017	<0.0017	0.0015	0.015
Manganese	**5.3**	**5**	0.025	0.05
Mercury	0.000038	<0.000029	0.0002	0.002
Vanadium	<0.00071	0.0014	0.006	0.03
Dissolved Gases, ug/L				
Ethane	---	---	----	----
Ethene	---	---	----	----
Methane	---	---	----	----
Natural Attenuation Parameters, mg/L				
Chloride	---	---	125	250
Nitrate as N	---	---	2	10
Sulfate	---	---	125	250
Total Alkalinity	---	---	----	----
Total Organic Carbon	---	---	----	----

Note: Please see notes provided at the end of this table.

Table 3
Pretasky
Summary of Detected Compounds
Former Onalaska Landfill

Volatile Organic Compounds (VOC), ug/L	4/14/2004	9/23/2004	12/2/2004	PAL	ES
Benzene	0.34	<0.22	<0.22	0.5	5
Chloromethane	< 0.26	0.16	<0.14	----	----
Methylene chloride	< 0.28	<0.19	0.58	0.5	5
Metals, mg/L					
Arsenic	0.0082	0.0035	0.0074	0.005	0.05
Barium	0.083	0.1	0.093	0.4	2
Cadmium	< 0.00028	<0.00028	<0.00028	0.0005	0.005
Cobalt	< 0.00096	<0.00096	<0.00096	0.008	0.04
Iron	0.22	**0.51**	0.15	0.15	0.3
Lead	< 0.0017	<0.0017	<0.0017	0.0015	0.015
Manganese	**1.1**	**1.3**	**1.2**	0.025	0.05
Mercury	< 0.000029	0.000061	<0.000029	0.0002	0.002
Vanadium	0.0019	<0.00071	0.0015	0.006	0.03
Dissolved Gases, ug/L					
Ethane	---	---		----	----
Ethene	---	---		----	----
Methane	---	---		----	----
Natural Attenuation Parameters, mg/L					
Chloride	---	---	---	125	250
Nitrate as N	---	---	---	2	10
Sulfate	---	---	---	125	250
Total Alkalinity	---	---	---	----	----
Total Organic Carbon	---	---	---	----	----
pH	---	---	---	----	----
Conductivity (mS/cm)	---	---	---	----	----
Temperature (C)	---	---	---	----	----
ORP (mV)	---	---	---	----	----
Dissolved Oxygen (mg/L)	---	---	---	----	----

Note: Please see notes provided at the end of this table.

Table 3
Notes
Summary of Detected Compounds
Former Onalaska Landfill

For the VOC only; the compounds reported are the only VOC that have been detected since the December 2002 sampling event

Shaded cells indicate the compound exceeds the WDNR Preventive Action Level (PAL)

Shaded cell and bold number indicates the compound exceeds the WDNR PAL and Enforcement Standard (ES)

The ES and PAL criteria for trimethylbenzene (TMB) is the sum of 1,2,4-TMB and 1,3,5-TMB

< indicates the compound was not detected at or above the detection limit

--- indicates that there is no available criteria associated with the specified compound or the compound was not analyzed

Residential wells are sampled for VOC and metals only

ATTACHMENT A

Semi-Annual Report
Former Onalaska Municipal Landfill
Onalaska, Wisconsin

February 1, 2005

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 00507

ONALASKA LANDFILL

Lot #: A4I270259

Peter Moore

ENSR Consulting & Engineering
4500 Park Glen Road
Suite 210
Minneapolis, MN 55416

SEVERN TRENT LABORATORIES, INC.

David S. Heakin
Project Manager

October 22, 2004

SEVERN TRENT STL

GCMS VOLATILE DATA

ENSR International

Client Sample ID: MILLER

GC/MS Volatiles

Lot-Sample #...: A4I270259-001 **Work Order #...:** GQ7621AA **Matrix.....:** WG
Date Sampled...: 09/24/04 09:30 **Date Received..:** 09/25/04
Prep Date.....: 10/05/04 **Analysis Date..:** 10/05/04
Prep Batch #...: 4279258
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	**0.18 J**	**1.0**	**ug/L**	**0.14**
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**1.5**	**1.0**	**ug/L**	**0.17**
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

(Continued on next page)

ENSR International

Client Sample ID: MILLER

GC/MS Volatiles

Lot-Sample #...: A4I270259-001 **Work Order #...:** GQ7621AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	110	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: ACKERMAN

GC/MS Volatiles

Lot-Sample #...: A4I270259-002 **Work Order #...:** GQ7681AA **Matrix.....:** WG
Date Sampled...: 09/23/04 18:00 **Date Received..:** 09/25/04
Prep Date.....: 10/05/04 **Analysis Date..:** 10/05/04
Prep Batch #...: 4279258
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

(Continued on next page)

ENSR International

Client Sample ID: ACKERMAN

GC/MS Volatiles

Lot-Sample #...: A4I270259-002 **Work Order #...:** GQ7681AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	115	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	92	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

ENSR International

Client Sample ID: PRETASKY

GC/MS Volatiles

Lot-Sample #...: A4I270259-003 **Work Order #...:** GQ77A1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 18:40 **Date Received..:** 09/25/04
Prep Date.....: 10/05/04 **Analysis Date..:** 10/05/04
Prep Batch #...: 4279258
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	**0.16 J**	**1.0**	**ug/L**	**0.14**
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR International

Client Sample ID: PRETASKY

GC/MS Volatiles

Lot-Sample #...: A4I270259-003 **Work Order #...:** GQ77A1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	118	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR International

Client Sample ID: JOHNSON

GC/MS Volatiles

Lot-Sample #...: A4I270259-004 **Work Order #...:** GQ77C1AA **Matrix.....:** WG
Date Sampled...: 09/23/04 18:20 **Date Received..:** 09/25/04
Prep Date.....: 10/05/04 **Analysis Date..:** 10/05/04
Prep Batch #...: 4279258
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	**0.18 J**	**1.0**	**ug/L**	**0.14**
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR International

Client Sample ID: JOHNSON

GC/MS Volatiles

Lot-Sample #...: A4I270259-004 **Work Order #...:** GQ77C1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	117	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I270259 **Work Order #...:** GRTQV1AA **Matrix.....:** WATER
MB Lot-Sample #: A4J050000-258

Prep Date.....: 10/04/04 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 10/04/04 **Prep Batch #...:** 4279258
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A4I270259 **Work Order #...:** GRTQV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichloroethane-d4	106	(61 - 128)		
Toluene-d8	93	(76 - 110)		
4-Bromofluorobenzene	84	(74 - 116)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I270259 **Work Order #...:** GRTQV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-258 GRTQV1AD-LCSD
Prep Date.....: 10/04/04 **Analysis Date..:** 10/04/04
Prep Batch #...: 4279258
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**111**	**(63 - 130)**			**SW846 8260B**
	110	**(63 - 130)**	**1.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(75 - 122)**			**SW846 8260B**
	96	**(75 - 122)**	**3.2**	**(0-20)**	**SW846 8260B**
Benzene	**101**	**(80 - 116)**			**SW846 8260B**
	99	**(80 - 116)**	**2.1**	**(0-20)**	**SW846 8260B**
Toluene	**102**	**(74 - 119)**			**SW846 8260B**
	98	**(74 - 119)**	**4.5**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**104**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**4.0**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	102	(61 - 128)
Toluene-d8	102	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	115	(74 - 116)
	108	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I270259 **Work Order #...:** GRTQV1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A4J050000-258 GRTQV1AD-LCSD
Prep Date.....: 10/04/04 **Analysis Date..:** 10/04/04
Prep Batch #...: 4279258
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10	11	ug/L	111		**SW846 8260B**
	10	11	ug/L	110	1.4	**SW846 8260B**
Trichloroethene	10	9.9	ug/L	99		**SW846 8260B**
	10	9.6	ug/L	96	3.2	**SW846 8260B**
Benzene	10	10	ug/L	101		**SW846 8260B**
	10	9.9	ug/L	99	2.1	**SW846 8260B**
Toluene	10	10	ug/L	102		**SW846 8260B**
	10	9.8	ug/L	98	4.5	**SW846 8260B**
Chlorobenzene	10	10	ug/L	104		**SW846 8260B**
	10	10	ug/L	100	4.0	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
	102	(61 - 128)
Toluene-d8	102	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	115	(74 - 116)
	108	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A4I270259 **Work Order #...:** GQ7851AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I270263-006 GQ7851AD-MSD
Date Sampled...: 09/23/04 17:00 **Date Received..:** 09/25/04
Prep Date.....: 10/05/04 **Analysis Date..:** 10/05/04
Prep Batch #...: 4279258
Dilution Factor: 5.71 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**106**	**(62 - 130)**			**SW846 8260B**
	111	**(62 - 130)**	**4.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**91**	**(62 - 130)**			**SW846 8260B**
	97	**(62 - 130)**	**6.5**	**(0-20)**	**SW846 8260B**
Benzene	**100**	**(78 - 118)**			**SW846 8260B**
	102	**(78 - 118)**	**2.8**	**(0-20)**	**SW846 8260B**
Toluene	**99**	**(70 - 119)**			**SW846 8260B**
	99	**(70 - 119)**	**0.28**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**100**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**1.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	102	(61 - 128)
Toluene-d8	101	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	114	(74 - 116)
	110	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A4I270259 **Work Order #...:** GQ7851AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A4I270263-006 GQ7851AD-MSD
Date Sampled...: 09/23/04 17:00 **Date Received..:** 09/25/04
Prep Date.....: 10/05/04 **Analysis Date..:** 10/05/04
Prep Batch #...: 4279258
Dilution Factor: 5.71 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	57	61	ug/L	106		SW846 8260B
	ND	57	63	ug/L	111	4.4	SW846 8260B
Trichloroethene	ND	57	52	ug/L	91		SW846 8260B
	ND	57	56	ug/L	97	6.5	SW846 8260B
Benzene	ND	57	57	ug/L	100		SW846 8260B
	ND	57	59	ug/L	102	2.8	SW846 8260B
Toluene	ND	57	57	ug/L	99		SW846 8260B
	ND	57	57	ug/L	99	0.28	SW846 8260B
Chlorobenzene	ND	57	57	ug/L	100		SW846 8260B
	ND	57	56	ug/L	98	1.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	102	(61 - 128)
Toluene-d8	101	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	114	(74 - 116)
	110	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SEVERN TRENT STL

METALS DATA

ENSR International

Client Sample ID: MILLER

TOTAL Metals

Lot-Sample #...: A4I270259-001 **Matrix.....:** WG
Date Sampled...: 09/24/04 09:30 **Date Received..:** 09/25/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4272013						
Arsenic	0.0072 B	0.010	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AC
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.29	0.20	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AH
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AD
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AE
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	8.8	0.10	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AJ
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	0.000038 B	0.00020	mg/L	SW846 7470A	09/28-09/29/04	GQ7621AL
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	5.3	0.015	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AK
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AF
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ7621AG
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR International

Client Sample ID: ACKERMAN

TOTAL Metals

Lot-Sample #...: A4I270259-002 **Matrix.....:** WG
Date Sampled...: 09/23/04 18:00 **Date Received..:** 09/25/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4272013						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AC
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.022 B	0.20	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AH
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AD
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AE
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	5.4	0.10	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AJ
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	0.000061 B	0.00020	mg/L	SW846 7470A	09/28-09/29/04	GQ7681AL
		Dilution Factor: 1		Analysis Time..: 13:53	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	0.13	0.015	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AK
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AF
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ7681AG
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR International

Client Sample ID: PRETASKY

TOTAL Metals

Lot-Sample #...: A4I270259-003 **Matrix.....:** WG
Date Sampled...: 09/23/04 18:40 **Date Received..:** 09/25/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4272013						
Arsenic	0.0035 B	0.010	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AC
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.10 B	0.20	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AH
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AD
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AE
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.51	0.10	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AJ
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	0.000061 B	0.00020	mg/L	SW846 7470A	09/28-09/29/04	GQ77A1AL
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	1.3	0.015	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AK
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AF
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ77A1AG
		Dilution Factor: 1		Analysis Time..: 20:04	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR International

Client Sample ID: JOHNSON

TOTAL Metals

Lot-Sample #...: A4I270259-004 **Matrix.....:** WG
Date Sampled...: 09/23/04 18:20 **Date Received..:** 09/25/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4272013						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/28-09/30/04	GQ77C1AC
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	**0.083 B**	**0.20**	**mg/L**	**SW846 6010B**	**09/28-09/30/04**	**GQ77C1AH**
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	09/28-09/30/04	GQ77C1AD
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ77C1AE
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.079 B	0.10	mg/L	SW846 6010B	09/28-09/30/04	GQ77C1AJ
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	09/28-09/29/04	GQ77C1AL
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	**0.35**	**0.015**	**mg/L**	**SW846 6010B**	**09/28-09/30/04**	**GQ77C1AK**
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	09/28-09/30/04	GQ77C1AF
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ77C1AG
		Dilution Factor: 1		Analysis Time..: 20:23	Analyst ID.....: 001644	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A4I280000-013 **Prep Batch #...:** 4272013						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21CU
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Barium	ND	0.20	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21AJ
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Cadmium	ND	0.0020	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21CV
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Cobalt	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21CW
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Iron	ND	0.10	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21AR
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Lead	ND	0.0030	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21CX
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Manganese	ND	0.015	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21AU
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	
Mercury	ND	0.00020	mg/L	SW846 7470A	09/28-09/29/04	GQ8Q21AA
		Dilution Factor: 1				
		Analysis Time..: 13:30		Analyst ID.....: 001086	Instrument ID..: H1	
Vanadium	ND	0.0070	mg/L	SW846 6010B	09/28-09/30/04	GQ8Q21C0
		Dilution Factor: 1				
		Analysis Time..: 18:12		Analyst ID.....: 001644	Instrument ID..: I6	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A4I280000-013 **Prep Batch #...:** 4272013					
Mercury	103	(83 - 131)	SW846 7470A	09/28-09/29/04	GQ8Q21A3
		Dilution Factor: 1	Analysis Time..: 13:31	Analyst ID.....: 001086	
		Instrument ID..: H1			
Barium	92	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21CA
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Iron	100	(77 - 127)	SW846 6010B	09/28-09/30/04	GQ8Q21CJ
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Manganese	92	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21CL
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Arsenic	93	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21C1
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Cadmium	91	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21C2
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Cobalt	92	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21C3
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Lead	92	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21C4
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			
Vanadium	91	(80 - 120)	SW846 6010B	09/28-09/30/04	GQ8Q21C5
		Dilution Factor: 1	Analysis Time..: 18:17	Analyst ID.....: 001644	
		Instrument ID..: I6			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A4I280000-013 **Prep Batch #...:** 4272013							
Mercury	0.0050	0.0052	mg/L	103	SW846 7470A	09/28-09/29/04	GQ8Q21A3
			Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001086	
			Instrument ID..: H1				
Barium	2.0	1.8	mg/L	92	SW846 6010B	09/28-09/30/04	GQ8Q21CA
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Iron	1.0	1.0	mg/L	100	SW846 6010B	09/28-09/30/04	GQ8Q21CJ
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Manganese	0.50	0.46	mg/L	92	SW846 6010B	09/28-09/30/04	GQ8Q21CL
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Arsenic	2.0	1.9	mg/L	93	SW846 6010B	09/28-09/30/04	GQ8Q21C1
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Cadmium	0.050	0.045	mg/L	91	SW846 6010B	09/28-09/30/04	GQ8Q21C2
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Cobalt	0.50	0.46	mg/L	92	SW846 6010B	09/28-09/30/04	GQ8Q21C3
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Lead	0.50	0.46	mg/L	92	SW846 6010B	09/28-09/30/04	GQ8Q21C4
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				
Vanadium	0.50	0.45	mg/L	91	SW846 6010B	09/28-09/30/04	GQ8Q21C5
			Dilution Factor: 1		Analysis Time..: 18:17	Analyst ID.....: 001644	
			Instrument ID..: I6				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER
Date Sampled...: 09/23/04 16:30 **Date Received..:** 09/25/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4I270181-001 **Prep Batch #...:** 4272013							
Arsenic	100	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1DQ
	102	(75 - 125)	1.3	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1DR
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Barium	99	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1CM
	100	(75 - 125)	1.1	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1CN
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Cadmium	97	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1DU
	98	(75 - 125)	1.5	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1DV
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Cobalt	98	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1DX
	99	(75 - 125)	1.6	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1D0
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Iron	141 N	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1C4
	128 N	(75 - 125)	4.4	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1C5
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Lead	98	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1D2
	99	(75 - 125)	1.4	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1D3
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Manganese	99	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1C8
	100	(75 - 125)	1.2	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1C9
		Dilution Factor: 1					
		Analysis Time..: 18:28			Instrument ID..: I6	Analyst ID.....: 001644	
Mercury	105	(69 - 148)			SW846 7470A	09/28-09/29/04	GQ67N1A6
	110	(69 - 148)	4.3	(0-25)	SW846 7470A	09/28-09/29/04	GQ67N1A7
		Dilution Factor: 1					
		Analysis Time..: 13:37			Instrument ID..: H1	Analyst ID.....: 001086	

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER
Date Sampled...: 09/23/04 16:30 **Date Received..:** 09/25/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	97	(75 - 125)			SW846 6010B	09/28-09/30/04	GQ67N1D5
	99	(75 - 125)	1.3	(0-20)	SW846 6010B	09/28-09/30/04	GQ67N1D6

Dilution Factor: 1
Analysis Time..: 18:28 Instrument ID..: I6 Analyst ID.....: 001644

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER
Date Sampled...: 09/23/04 16:30 **Date Received..:** 09/25/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A4I270181-001 **Prep Batch #...:** 4272013									
Arsenic									
	ND	2.0	2.0	mg/L	100		SW846 6010B	09/28-09/30/04	GQ67N1DQ
	ND	2.0	2.0	mg/L	102	1.3	SW846 6010B	09/28-09/30/04	GQ67N1DR
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	
Barium									
	0.044	2.0	2.0	mg/L	99		SW846 6010B	09/28-09/30/04	GQ67N1CM
	0.044	2.0	2.0	mg/L	100	1.1	SW846 6010B	09/28-09/30/04	GQ67N1CN
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	
Cadmium									
	ND	0.050	0.048	mg/L	97		SW846 6010B	09/28-09/30/04	GQ67N1DU
	ND	0.050	0.049	mg/L	98	1.5	SW846 6010B	09/28-09/30/04	GQ67N1DV
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	
Cobalt									
	ND	0.50	0.49	mg/L	98		SW846 6010B	09/28-09/30/04	GQ67N1DX
	ND	0.50	0.50	mg/L	99	1.6	SW846 6010B	09/28-09/30/04	GQ67N1D0
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	
Iron									
	1.8	1.0	3.2 N	mg/L	141		SW846 6010B	09/28-09/30/04	GQ67N1C4
	1.8	1.0	3.0 N	mg/L	128	4.4	SW846 6010B	09/28-09/30/04	GQ67N1C5
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	
Lead									
	ND	0.50	0.49	mg/L	98		SW846 6010B	09/28-09/30/04	GQ67N1D2
	ND	0.50	0.50	mg/L	99	1.4	SW846 6010B	09/28-09/30/04	GQ67N1D3
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	
Manganese									
	0.018	0.50	0.51	mg/L	99		SW846 6010B	09/28-09/30/04	GQ67N1C8
	0.018	0.50	0.52	mg/L	100	1.2	SW846 6010B	09/28-09/30/04	GQ67N1C9
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A4I270259 **Matrix.....:** WATER
Date Sampled...: 09/23/04 16:30 **Date Received..:** 09/25/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Mercury									
	0.00007	0.0010	0.0011	mg/L	105		SW846 7470A	09/28-09/29/04	GQ67N1A6
	0.00007	0.0010	0.0012	mg/L	110	4.3	SW846 7470A	09/28-09/29/04	GQ67N1A7
			Dilution Factor: 1						
			Analysis Time..: 13:37		Instrument ID..: H1			Analyst ID.....: 001086	
Vanadium									
	ND	0.50	0.49	mg/L	97		SW846 6010B	09/28-09/30/04	GQ67N1D5
	ND	0.50	0.49	mg/L	99	1.3	SW846 6010B	09/28-09/30/04	GQ67N1D6
			Dilution Factor: 1						
			Analysis Time..: 18:28		Instrument ID..: I6			Analyst ID.....: 001644	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

Chain of Custody Record

Severn Trent Laboratories, Inc.

TL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ENSR	Pete Moore	9/23/04	157132
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
4500 Park Glen Rd Suite 210	952 924 0117		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
St. Louis Park / MN / 55416			
Project Name and Location (State)	**Carrier/Waybill Number**		
Onalaska Landfill	8435 3326 9134		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOCs	Metals	Special Instructions/ Conditions of Receipt
AW-25	9-24-04	11:00		X					1	3			X		
AW-28	9-24-04	10:30		↓					↓	↓			↓	↓	
AW-20	9-24-04	11:30													
AW-9	9-24-04	10:00													
MILLER	9-24-04	9:30													
AW-13	9-23-04	18:00													
MW-55	9-23-04	17:00													
MW-55 Dup	9-23-04	17:00													Duplicate
MW-55 MS	9-23-04	17:00													Matrix Spike
MW-55 MSD	9-23-04	17:00													Matrix Spike Duplicate
ACKERMAN	9-23-04	18:00													
PIETASKY	9-23-04	18:40		↓					↓	↓			↓	↓	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Pete Moore	9/24/04	16:00	1. Received By: Gerry Bunna	9/25/04	10:00
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report CANARY - Stays with the Sample PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ENSR	Pete Moore	9/23/04	157093
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
4500 Park Glen Rd. Suite 210	952 924 0117		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
St. Louis Park / MN / 55416			
Project Name and Location (State)	**Carrier/Waybill Number**		
Onalaska Landfill	8435 3326 9134		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOCs	Metals	Special Instructions/ Conditions of Receipt
Johnson	9-23-04	18:20		X					1	3			X	X	
MW-1SR	9-23-04	16:30							1	3					
MW-4S	9-24-04	11:00							1	3					
TRIP										2					

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1	T. Moore	9-24-04	16:00	Terry Burns	9/25/04	10:00
2						
3						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

STL North Canton

15

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 00507

ONALASKA LANDFILL

Lot #: A4L040121

Peter Moore

ENSR Consulting & Engineering
4500 Park Glen Road
Suite 210
Minneapolis, MN 55416

SEVERN TRENT LABORATORIES, INC.

Roger Tooth
For

David S. Heakin
Project Manager

December 30, 2004

SEVERN TRENT STL

SAMPLE DATA

ENSR Corporation

Client Sample ID: PRETASKY (142)

GC/MS Volatiles

Lot-Sample #...: A4L040121-001 **Work Order #...:** G0AFH1AA **Matrix.....:** WG
Date Sampled...: 12/02/04 19:45 **Date Received..:** 12/04/04
Prep Date.....: 12/10/04 **Analysis Date..:** 12/10/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.58 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

(Continued on next page)

ENSR Corporation

Client Sample ID: PRETASKY (142)

GC/MS Volatiles

Lot-Sample #...: A4L040121-001 **Work Order #...:** G0AFH1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: JOHNSON (112)

GC/MS Volatiles

Lot-Sample #...: A4L040121-002 **Work Order #...:** G0AFJ1AA **Matrix.....:** WG
Date Sampled...: 12/02/04 19:00 **Date Received..:** 12/04/04
Prep Date.....: 12/10/04 **Analysis Date..:** 12/10/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.40 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

(Continued on next page)

ENSR Corporation

Client Sample ID: JOHNSON (112)

GC/MS Volatiles

Lot-Sample #...: A4L040121-002 **Work Order #...:** G0AFJ1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MILLER (143)

GC/MS Volatiles

Lot-Sample #...: A4L040121-003 **Work Order #...:** G0AFK1AA **Matrix.....:** WG
Date Sampled...: 12/02/04 19:20 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.45 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

(Continued on next page)

ENSR Corporation

Client Sample ID: MILLER (143)

GC/MS Volatiles

Lot-Sample #...: A4L040121-003 **Work Order #...:** G0AFK1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-4S (120)

GC/MS Volatiles

Lot-Sample #...: A4L040121-004 **Work Order #...:** G0AFL1AA **Matrix.....:** WG
Date Sampled...: 12/02/04 16:00 **Date Received..:** 12/04/04
Prep Date.....: 12/13/04 **Analysis Date..:** 12/13/04
Prep Batch #...: 4349310
Dilution Factor: 50 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	50	ug/L	18
Chloroethane	ND	50	ug/L	12
Chloromethane	ND	50	ug/L	7.0
Acetone	ND	500	ug/L	37
Bromodichloromethane	ND	50	ug/L	7.0
Bromoform	ND	50	ug/L	8.5
2-Butanone	ND	500	ug/L	20
Carbon disulfide	ND	50	ug/L	14
Carbon tetrachloride	ND	50	ug/L	9.5
Chlorobenzene	ND	50	ug/L	10
Dibromochloromethane	ND	50	ug/L	9.5
Chloroform	ND	50	ug/L	8.0
1,2-Dichloroethane	ND	50	ug/L	8.0
1,2-Dichloropropane	ND	50	ug/L	7.5
cis-1,3-Dichloropropene	ND	50	ug/L	6.0
trans-1,3-Dichloropropene	ND	50	ug/L	8.5
2-Hexanone	ND	500	ug/L	18
4-Methyl-2-pentanone	ND	500	ug/L	16
Styrene	ND	50	ug/L	6.5
1,1,2,2-Tetrachloroethane	ND	50	ug/L	11
1,1,2-Trichloroethane	ND	50	ug/L	11
Benzene	ND	50	ug/L	11
1,1-Dichloroethane	ND	50	ug/L	10
cis-1,2-Dichloroethene	ND	25	ug/L	10
trans-1,2-Dichloroethene	ND	25	ug/L	8.0
1,1-Dichloroethene	ND	50	ug/L	9.0
Ethylbenzene	**26 J**	**50**	**ug/L**	**9.5**
Methylene chloride	**49 J,B**	**50**	**ug/L**	**9.5**
Naphthalene	ND	50	ug/L	7.5
Tetrachloroethene	ND	50	ug/L	9.5
Toluene	ND	50	ug/L	8.5
1,1,1-Trichloroethane	ND	50	ug/L	10
Trichloroethene	ND	50	ug/L	14
1,2,4-Trimethylbenzene	**1600**	**50**	**ug/L**	**6.0**
1,3,5-Trimethylbenzene	**410**	**50**	**ug/L**	**8.0**
Vinyl chloride	ND	50	ug/L	10
Xylenes (total)	**93**	**50**	**ug/L**	**22**

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ENSR Corporation

Client Sample ID: MW-4S (120)

GC/MS Volatiles

Lot-Sample #...: A4L040121-004 Work Order #...: G0AFL1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-4SDUPLICATE (120)

GC/MS Volatiles

Lot-Sample #...:	A4L040121-005	**Work Order #...:**	G0AFM1AE	**Matrix.....:**	WQ
Date Sampled...:	12/02/04 16:00	**Date Received..:**	12/04/04		
Prep Date.....:	12/14/04	**Analysis Date..:**	12/14/04		
Prep Batch #...:	4350236				
Dilution Factor:	50	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	50	ug/L	18
Chloroethane	ND	50	ug/L	12
Chloromethane	ND	50	ug/L	7.0
Acetone	ND	500	ug/L	37
Bromodichloromethane	ND	50	ug/L	7.0
Bromoform	ND	50	ug/L	8.5
2-Butanone	ND	500	ug/L	20
Carbon disulfide	ND	50	ug/L	14
Carbon tetrachloride	ND	50	ug/L	9.5
Chlorobenzene	ND	50	ug/L	10
Dibromochloromethane	ND	50	ug/L	9.5
Chloroform	ND	50	ug/L	8.0
1,2-Dichloroethane	ND	50	ug/L	8.0
1,2-Dichloropropane	ND	50	ug/L	7.5
cis-1,3-Dichloropropene	ND	50	ug/L	6.0
trans-1,3-Dichloropropene	ND	50	ug/L	8.5
2-Hexanone	ND	500	ug/L	18
4-Methyl-2-pentanone	ND	500	ug/L	16
Styrene	ND	50	ug/L	6.5
1,1,2,2-Tetrachloroethane	ND	50	ug/L	11
1,1,2-Trichloroethane	ND	50	ug/L	11
Benzene	ND	50	ug/L	11
1,1-Dichloroethane	ND	50	ug/L	10
cis-1,2-Dichloroethene	ND	25	ug/L	10
trans-1,2-Dichloroethene	ND	25	ug/L	8.0
1,1-Dichloroethene	ND	50	ug/L	9.0
Ethylbenzene	**27 J**	**50**	**ug/L**	**9.5**
Methylene chloride	**42 J,B**	**50**	**ug/L**	**9.5**
Naphthalene	ND	50	ug/L	7.5
Tetrachloroethene	ND	50	ug/L	9.5
Toluene	ND	50	ug/L	8.5
1,1,1-Trichloroethane	ND	50	ug/L	10
Trichloroethene	ND	50	ug/L	14
1,2,4-Trimethylbenzene	**1500**	**50**	**ug/L**	**6.0**
1,3,5-Trimethylbenzene	**360**	**50**	**ug/L**	**8.0**
Vinyl chloride	ND	50	ug/L	10
Xylenes (total)	**87**	**50**	**ug/L**	**22**

(Continued on next page)

ENSR Corporation

Client Sample ID: MW-4SDUPLICATE (120)

GC/MS Volatiles

Lot-Sample #...: A4L040121-005 Work Order #...: G0AFM1AE Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-5S (121)

GC/MS Volatiles

Lot-Sample #...: A4L040121-006 **Work Order #...:** G0AFN1AE **Matrix.....:** WG
Date Sampled...: 12/03/04 13:30 **Date Received..:** 12/04/04
Prep Date.....: 12/14/04 **Analysis Date..:** 12/14/04
Prep Batch #...: 4350236
Dilution Factor: 50 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	50	ug/L	18
Chloroethane	ND	50	ug/L	12
Chloromethane	ND	50	ug/L	7.0
Acetone	ND	500	ug/L	37
Bromodichloromethane	ND	50	ug/L	7.0
Bromoform	ND	50	ug/L	8.5
2-Butanone	ND	500	ug/L	20
Carbon disulfide	ND	50	ug/L	14
Carbon tetrachloride	ND	50	ug/L	9.5
Chlorobenzene	ND	50	ug/L	10
Dibromochloromethane	ND	50	ug/L	9.5
Chloroform	ND	50	ug/L	8.0
1,2-Dichloroethane	ND	50	ug/L	8.0
1,2-Dichloropropane	ND	50	ug/L	7.5
cis-1,3-Dichloropropene	ND	50	ug/L	6.0
trans-1,3-Dichloropropene	ND	50	ug/L	8.5
2-Hexanone	ND	500	ug/L	18
4-Methyl-2-pentanone	ND	500	ug/L	16
Styrene	ND	50	ug/L	6.5
1,1,2,2-Tetrachloroethane	ND	50	ug/L	11
1,1,2-Trichloroethane	ND	50	ug/L	11
Benzene	ND	50	ug/L	11
1,1-Dichloroethane	ND	50	ug/L	10
cis-1,2-Dichloroethene	ND	25	ug/L	10
trans-1,2-Dichloroethene	ND	25	ug/L	8.0
1,1-Dichloroethene	ND	50	ug/L	9.0
Ethylbenzene	**60**	**50**	**ug/L**	**9.5**
Methylene chloride	**41 J,B**	**50**	**ug/L**	**9.5**
Naphthalene	ND	50	ug/L	7.5
Tetrachloroethene	ND	50	ug/L	9.5
Toluene	ND	50	ug/L	8.5
1,1,1-Trichloroethane	ND	50	ug/L	10
Trichloroethene	ND	50	ug/L	14
1,2,4-Trimethylbenzene	**1300**	**50**	**ug/L**	**6.0**
1,3,5-Trimethylbenzene	**350**	**50**	**ug/L**	**8.0**
Vinyl chloride	ND	50	ug/L	10
Xylenes (total)	**160**	**50**	**ug/L**	**22**

(Continued on next page)

ENSR Corporation

Client Sample ID: MW-5S (121)

GC/MS Volatiles

Lot-Sample #...: A4L040121-006 **Work Order #...:** G0AFN1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-5SDUPLICATE (121)

GC/MS Volatiles

Lot-Sample #...: A4L040121-007 **Work Order #...:** G0AFP1AE **Matrix.....:** WQ
Date Sampled...: 12/03/04 13:30 **Date Received..:** 12/04/04
Prep Date.....: 12/14/04 **Analysis Date..:** 12/14/04
Prep Batch #...: 4350236
Dilution Factor: 50 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	50	ug/L	18
Chloroethane	ND	50	ug/L	12
Chloromethane	ND	50	ug/L	7.0
Acetone	ND	500	ug/L	37
Bromodichloromethane	ND	50	ug/L	7.0
Bromoform	ND	50	ug/L	8.5
2-Butanone	ND	500	ug/L	20
Carbon disulfide	ND	50	ug/L	14
Carbon tetrachloride	ND	50	ug/L	9.5
Chlorobenzene	ND	50	ug/L	10
Dibromochloromethane	ND	50	ug/L	9.5
Chloroform	ND	50	ug/L	8.0
1,2-Dichloroethane	ND	50	ug/L	8.0
1,2-Dichloropropane	ND	50	ug/L	7.5
cis-1,3-Dichloropropene	ND	50	ug/L	6.0
trans-1,3-Dichloropropene	ND	50	ug/L	8.5
2-Hexanone	ND	500	ug/L	18
4-Methyl-2-pentanone	ND	500	ug/L	16
Styrene	ND	50	ug/L	6.5
1,1,2,2-Tetrachloroethane	ND	50	ug/L	11
1,1,2-Trichloroethane	ND	50	ug/L	11
Benzene	ND	50	ug/L	11
1,1-Dichloroethane	ND	50	ug/L	10
cis-1,2-Dichloroethene	ND	25	ug/L	10
trans-1,2-Dichloroethene	ND	25	ug/L	8.0
1,1-Dichloroethene	ND	50	ug/L	9.0
Ethylbenzene	**54**	**50**	**ug/L**	**9.5**
Methylene chloride	**41 J,B**	**50**	**ug/L**	**9.5**
Naphthalene	ND	50	ug/L	7.5
Tetrachloroethene	ND	50	ug/L	9.5
Toluene	ND	50	ug/L	8.5
1,1,1-Trichloroethane	ND	50	ug/L	10
Trichloroethene	ND	50	ug/L	14
1,2,4-Trimethylbenzene	**1200**	**50**	**ug/L**	**6.0**
1,3,5-Trimethylbenzene	**330**	**50**	**ug/L**	**8.0**
Vinyl chloride	ND	50	ug/L	10
Xylenes (total)	**160**	**50**	**ug/L**	**22**

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ENSR Corporation

Client Sample ID: MW-5SDUPLICATE (121)

GC/MS Volatiles

Lot-Sample #...: A4L040121-007 **Work Order #...:** G0AFP1AE **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: AW-9 (132)

GC/MS Volatiles

Lot-Sample #...: A4L040121-008 **Work Order #...:** G0AFQ1AE **Matrix.....:** WG
Date Sampled...: 12/03/04 10:15 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.53 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**0.21 J**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: AW-9 (132)

GC/MS Volatiles

Lot-Sample #...: A4L040121-008 **Work Order #...:** G0AFQ1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: AW-13 (133)

GC/MS Volatiles

Lot-Sample #...: A4L040121-009 **Work Order #...:** G0AFR1AE **Matrix.....:** WG
Date Sampled...: 12/03/04 10:40 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.48 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**0.36 J**	**1.0**	**ug/L**	**0.17**
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**3.2**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: AW-13 (133)

GC/MS Volatiles

Lot-Sample #...: A4L040121-009 **Work Order #...:** G0AFR1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: AW-20 (134)

GC/MS Volatiles

Lot-Sample #...: A4L040121-010 **Work Order #...:** G0AFT1AE **Matrix.....:** WG
Date Sampled...: 12/03/04 13:00 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**0.78 J,B**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	**0.21 J**	**1.0**	**ug/L**	**0.19**
Methylene chloride	**0.55 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	**0.98 J**	**1.0**	**ug/L**	**0.15**
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**0.33 J**	**1.0**	**ug/L**	**0.17**
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**34**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	**2.5**	**1.0**	**ug/L**	**0.16**
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	**1.4**	**1.0**	**ug/L**	**0.44**

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ENSR Corporation

Client Sample ID: AW-20 (134)

GC/MS Volatiles

Lot-Sample #...: A4L040121-010 **Work Order #...:** G0AFT1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: AW-25 (135)

GC/MS Volatiles

Lot-Sample #...: A4L040121-011 **Work Order #...:** G0AFV1AE **Matrix.....:** WG
Date Sampled...: 12/03/04 12:40 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**0.83 J,B**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.50 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**0.71 J**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: AW-25 (135)

GC/MS Volatiles

Lot-Sample #...: A4L040121-011 **Work Order #...:** G0AFV1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: AW-28 (136)

GC/MS Volatiles

Lot-Sample #...: A4L040121-012 **Work Order #...:** G0AFW1AE **Matrix.....:** WG
Date Sampled...: 12/03/04 12:20 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**1.0 J,B**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.52 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**34**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	**9.7**	**1.0**	**ug/L**	**0.16**
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	**0.66 J**	**1.0**	**ug/L**	**0.44**

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ENSR Corporation

Client Sample ID: AW-28 (136)

GC/MS Volatiles

Lot-Sample #...: A4L040121-012 **Work Order #...:** G0AFW1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-1SR (141)

GC/MS Volatiles

Lot-Sample #...: A4L040121-013 **Work Order #...:** G0AFX1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 15:15 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.41 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**0.13 J**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-1SR (141)

GC/MS Volatiles

Lot-Sample #...: A4L040121-013 **Work Order #...:** G0AFX1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: PZ-2 (138)

GC/MS Volatiles

Lot-Sample #...: A4L040121-014 **Work Order #...:** G0AF01AE **Matrix.....:** WG
Date Sampled...: 12/02/04 11:15 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**2.9 J,B**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.64 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: PZ-2 (138)

GC/MS Volatiles

Lot-Sample #...: A4L040121-014 **Work Order #...:** G0AF01AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	96	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: PZ-3 (139)

GC/MS Volatiles

Lot-Sample #...: A4L040121-015 **Work Order #...:** G0AF31AE **Matrix.....:** WG
Date Sampled...: 12/02/04 11:45 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**1.3 J,B**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**1.1 B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: PZ-3 (139)

GC/MS Volatiles

Lot-Sample #...: A4L040121-015 **Work Order #...:** G0AF31AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: PZ-5 (130)

GC/MS Volatiles

Lot-Sample #...: A4L040121-016 **Work Order #...:** G0AF41AE **Matrix.....:** WG
Date Sampled...: 12/02/04 15:45 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.48 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: PZ-5 (130)

GC/MS Volatiles

Lot-Sample #...: A4L040121-016 **Work Order #...:** G0AF41AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: AW-1 (131)

GC/MS Volatiles

Lot-Sample #...: A4L040121-017 **Work Order #...:** G0AF71AE **Matrix.....:** WG
Date Sampled...: 12/03/04 09:40 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**0.82 J,B**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.44 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**7.8**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	**6.0**	**1.0**	**ug/L**	**0.16**
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	**1.2**	**1.0**	**ug/L**	**0.44**

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ENSR Corporation

Client Sample ID: AW-1 (131)

GC/MS Volatiles

Lot-Sample #...: A4L040121-017 **Work Order #...:** G0AF71AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-2S (117)

GC/MS Volatiles

Lot-Sample #...: A4L040121-018 **Work Order #...:** G0AGD1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 17:05 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	**23**	**1.0**	**ug/L**	**0.20**
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	**1.3**	**1.0**	**ug/L**	**0.22**
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.42 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**0.21 J**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-2S (117)

GC/MS Volatiles

Lot-Sample #...: A4L040121-018 **Work Order #...:** G0AGD1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	93	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-2M (118)

GC/MS Volatiles

Lot-Sample #...: A4L040121-019 **Work Order #...:** G0AGE1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 17:15 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.40 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-2M (118)

GC/MS Volatiles

Lot-Sample #...: A4L040121-019 **Work Order #...:** G0AGE1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-6S (122)

GC/MS Volatiles

Lot-Sample #...: A4L040121-020 **Work Order #...:** G0AGF1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 12:45 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	**0.29 J**	**1.0**	**ug/L**	**0.21**
cis-1,2-Dichloroethene	**0.36 J**	**0.50**	**ug/L**	**0.21**
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.54 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-6S (122)

GC/MS Volatiles

Lot-Sample #...: A4L040121-020 **Work Order #...:** G0AGF1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-6M (123)

GC/MS Volatiles

Lot-Sample #...: A4L040121-021 **Work Order #...:** G0AGG1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 12:20 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	**0.27 J**	**1.0**	**ug/L**	**0.21**
cis-1,2-Dichloroethene	**0.35 J**	**0.50**	**ug/L**	**0.21**
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.44 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	**0.23 J**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-6M (123)

GC/MS Volatiles

Lot-Sample #...: A4L040121-021 **Work Order #...:** G0AGG1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-8S (124)

GC/MS Volatiles

Lot-Sample #...: A4L040121-022 **Work Order #...:** G0AGJ1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 20:10 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.50 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-8S (124)

GC/MS Volatiles

Lot-Sample #...: A4L040121-022 **Work Order #...:** G0AGJ1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	114	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	77	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-8M (125)

GC/MS Volatiles

Lot-Sample #...: A4L040121-023 **Work Order #...:** G0AGL1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 20:20 **Date Received..:** 12/04/04
Prep Date.....: 12/11/04 **Analysis Date..:** 12/11/04
Prep Batch #...: 4348289
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	**0.43 J**	**1.0**	**ug/L**	**0.24**
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	**0.30 J**	**1.0**	**ug/L**	**0.22**
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	**0.41 J**	**0.50**	**ug/L**	**0.21**
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	**2.4**	**1.0**	**ug/L**	**0.19**
Methylene chloride	**0.55 J,B**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	**0.30 J**	**1.0**	**ug/L**	**0.28**
1,2,4-Trimethylbenzene	**1.7**	**1.0**	**ug/L**	**0.12**
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-8M (125)

GC/MS Volatiles

Lot-Sample #...: A4L040121-023 **Work Order #...:** G0AGL1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	101	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	86	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

ENSR Corporation

Client Sample ID: MW-14S (127)

GC/MS Volatiles

Lot-Sample #...: A4L040121-024 **Work Order #...:** G0AGM1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 10:50 **Date Received..:** 12/04/04
Prep Date.....: 12/14/04 **Analysis Date..:** 12/14/04
Prep Batch #...: 4350236
Dilution Factor: 1.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.7	ug/L	0.60
Chloroethane	ND	1.7	ug/L	0.40
Chloromethane	ND	1.7	ug/L	0.23
Acetone	**2.0 J,B**	**17**	**ug/L**	**1.2**
Bromodichloromethane	ND	1.7	ug/L	0.23
Bromoform	ND	1.7	ug/L	0.28
2-Butanone	ND	17	ug/L	0.65
Carbon disulfide	ND	1.7	ug/L	0.47
Carbon tetrachloride	ND	1.7	ug/L	0.32
Chlorobenzene	ND	1.7	ug/L	0.33
Dibromochloromethane	ND	1.7	ug/L	0.32
Chloroform	ND	1.7	ug/L	0.27
1,2-Dichloroethane	ND	1.7	ug/L	0.27
1,2-Dichloropropane	ND	1.7	ug/L	0.25
cis-1,3-Dichloropropene	ND	1.7	ug/L	0.20
trans-1,3-Dichloropropene	ND	1.7	ug/L	0.28
2-Hexanone	ND	17	ug/L	0.58
4-Methyl-2-pentanone	ND	17	ug/L	0.53
Styrene	ND	1.7	ug/L	0.22
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L	0.37
1,1,2-Trichloroethane	ND	1.7	ug/L	0.37
Benzene	ND	1.7	ug/L	0.37
1,1-Dichloroethane	ND	1.7	ug/L	0.35
cis-1,2-Dichloroethene	ND	0.84	ug/L	0.35
trans-1,2-Dichloroethene	ND	0.84	ug/L	0.27
1,1-Dichloroethene	ND	1.7	ug/L	0.30
Ethylbenzene	**0.78 J**	**1.7**	**ug/L**	**0.32**
Methylene chloride	**1.2 J,B**	**1.7**	**ug/L**	**0.32**
Naphthalene	**11**	**1.7**	**ug/L**	**0.25**
Tetrachloroethene	ND	1.7	ug/L	0.32
Toluene	ND	1.7	ug/L	0.28
1,1,1-Trichloroethane	ND	1.7	ug/L	0.35
Trichloroethene	ND	1.7	ug/L	0.47
1,2,4-Trimethylbenzene	**3.1**	**1.7**	**ug/L**	**0.20**
1,3,5-Trimethylbenzene	**1.3 J**	**1.7**	**ug/L**	**0.27**
Vinyl chloride	ND	1.7	ug/L	0.35
Xylenes (total)	**2.1**	**1.7**	**ug/L**	**0.73**

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ENSR Corporation

Client Sample ID: MW-14S (127)

GC/MS Volatiles

Lot-Sample #...: A4L040121-024 **Work Order #...:** G0AGM1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Elevated reporting limits due to TICs.

ENSR Corporation

Client Sample ID: MW-15M (137)

GC/MS Volatiles

Lot-Sample #...: A4L040121-025 **Work Order #...:** G0AGP1AE **Matrix.....:** WG
Date Sampled...: 12/02/04 13:20 **Date Received..:** 12/04/04
Prep Date.....: 12/14/04 **Analysis Date..:** 12/14/04
Prep Batch #...: 4350247
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	ND	10	ug/L	0.74
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	ND	10	ug/L	0.39
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	ND	10	ug/L	0.35
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**0.44 J**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: MW-15M (137)

GC/MS Volatiles

Lot-Sample #...: A4L040121-025 **Work Order #...:** G0AGP1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4L040121-026 **Work Order #...:** G0AGQ1AA **Matrix.....:** WQ
Date Sampled...: 12/02/04 **Date Received..:** 12/04/04
Prep Date.....: 12/14/04 **Analysis Date..:** 12/14/04
Prep Batch #...: 4350075
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromomethane	ND	1.0	ug/L	0.36
Chloroethane	ND	1.0	ug/L	0.24
Chloromethane	ND	1.0	ug/L	0.14
Acetone	**5.0 J**	**10**	**ug/L**	**0.74**
Bromodichloromethane	ND	1.0	ug/L	0.14
Bromoform	ND	1.0	ug/L	0.17
2-Butanone	**2.5 J**	**10**	**ug/L**	**0.39**
Carbon disulfide	ND	1.0	ug/L	0.28
Carbon tetrachloride	ND	1.0	ug/L	0.19
Chlorobenzene	ND	1.0	ug/L	0.20
Dibromochloromethane	ND	1.0	ug/L	0.19
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.12
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.17
2-Hexanone	**0.42 J**	**10**	**ug/L**	**0.35**
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
1,1,2-Trichloroethane	ND	1.0	ug/L	0.22
Benzene	ND	1.0	ug/L	0.22
1,1-Dichloroethane	ND	1.0	ug/L	0.21
cis-1,2-Dichloroethene	ND	0.50	ug/L	0.21
trans-1,2-Dichloroethene	ND	0.50	ug/L	0.16
1,1-Dichloroethene	ND	1.0	ug/L	0.18
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	**1.9**	**1.0**	**ug/L**	**0.19**
Naphthalene	ND	1.0	ug/L	0.15
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**0.21 J**	**1.0**	**ug/L**	**0.17**
1,1,1-Trichloroethane	ND	1.0	ug/L	0.21
Trichloroethene	ND	1.0	ug/L	0.28
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.12
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.16
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

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ENSR Corporation

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A4L040121-026 **Work Order #...:** G0AGQ1AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

SEVERN TRENT STL

METALS DATA

ENSR Corporation

Client Sample ID: PRETASKY (142)

TOTAL Metals

Lot-Sample #...: A4L040121-001 Matrix.....: WG
Date Sampled...: 12/02/04 19:45 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.0074 B	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AC
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.093 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AH
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AD
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AE
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.15	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AJ
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFH1AL
		Dilution Factor: 1		Analysis Time..: 18:43	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	1.2	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AK
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AF
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0015 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFH1AG
		Dilution Factor: 1		Analysis Time..: 21:21	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: JOHNSON (112)

TOTAL Metals

Lot-Sample #...: A4L040121-002 **Matrix.....:** WG
Date Sampled...: 12/02/04 19:00 **Date Received..:** 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFJ1AC
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	**0.089 B**	**0.20**	**mg/L**	**SW846 6010B**	**12/14-12/16/04**	**G0AFJ1AH**
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFJ1AD
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFJ1AE
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.17	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFJ1AJ
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFJ1AL
		Dilution Factor: 1		Analysis Time..: 18:44	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	**0.20**	**0.015**	**mg/L**	**SW846 6010B**	**12/14-12/16/04**	**G0AFJ1AK**
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFJ1AF
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFJ1AG
		Dilution Factor: 1		Analysis Time..: 21:31	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MILLER (143)

TOTAL Metals

Lot-Sample #...: A4L040121-003 Matrix.....: WG
Date Sampled...: 12/02/04 19:20 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.0098 B	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AC
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.28	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AH
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AD
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AE
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	9.3	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AJ
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFK1AL
		Dilution Factor: 1		Analysis Time..: 18:46	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	5.0	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AK
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AF
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0014 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFK1AG
		Dilution Factor: 1		Analysis Time..: 21:36	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-4S (120)

TOTAL Metals

Lot-Sample #...: A4L040121-004 Matrix.....: WG
Date Sampled...: 12/02/04 16:00 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.0095 B	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1AE
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.32	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1AW
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1AH
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1AL
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	22.9	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1A1
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFL1A7
		Dilution Factor: 1		Analysis Time..: 18:47	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	2.5	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1A4
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1AP
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFL1AT
		Dilution Factor: 1		Analysis Time..: 21:41	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-4SDUPLICATE (120)

TOTAL Metals

Lot-Sample #...: A4L040121-005 Matrix.....: WQ
Date Sampled...: 12/02/04 16:00 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.010	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AF
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.33	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AL
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AG
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AH
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	23.2	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AA
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFM1AD
		Dilution Factor: 1		Analysis Time..: 18:53	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	2.5	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AC
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AJ
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0012 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFM1AK
		Dilution Factor: 1		Analysis Time..: 22:08	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-5S (121)

TOTAL Metals

Lot-Sample #...: A4L040121-006 Matrix.....: WG
Date Sampled...: 12/03/04 13:30 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.012	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AF
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.31	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AL
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00032 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AG
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0094	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AH
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	34.7	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AA
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFN1AD
		Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.3	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AC
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AJ
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFN1AK
		Dilution Factor: 1		Analysis Time..: 22:13	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-5SDUPLICATE (121)

TOTAL Metals

Lot-Sample #...: A4L040121-007 Matrix.....: WQ
Date Sampled...: 12/03/04 13:30 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.012	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AF
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.29	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AL
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00033 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AG
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0091	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AH
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	31.9	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AA
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFP1AD
		Dilution Factor: 1		Analysis Time..: 18:55	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.1	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AC
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AJ
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFP1AK
		Dilution Factor: 1		Analysis Time..: 22:18	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: AW-9 (132)

TOTAL Metals

Lot-Sample #...: A4L040121-008 Matrix.....: WG
Date Sampled...: 12/03/04 10:15 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AF
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.068 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AL
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AG
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0011 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AH
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.33	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AA
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFQ1AD
		Dilution Factor: 1		Analysis Time..: 18:56	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	1.3	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AC
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AJ
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFQ1AK
		Dilution Factor: 1		Analysis Time..: 22:23	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: AW-13 (133)

TOTAL Metals

Lot-Sample #...: A4L040121-009 Matrix.....: WG
Date Sampled...: 12/03/04 10:40 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.0033 B	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AF
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.30	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AL
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AG
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0063 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AH
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	7.5	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AA
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFR1AD
		Dilution Factor: 1		Analysis Time..: 18:58	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	28.2	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AC
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	0.0030	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AJ
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFR1AK
		Dilution Factor: 1		Analysis Time..: 22:28	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: AW-20 (134)

TOTAL Metals

Lot-Sample #...: A4L040121-010 Matrix.....: WG
Date Sampled...: 12/03/04 13:00 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.0068 B	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AF
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.22	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AL
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AG
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0052 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AH
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	20.3	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AA
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFT1AD
		Dilution Factor: 1		Analysis Time..: 18:59	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	14.9	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AC
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	0.0021 B	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AJ
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFT1AK
		Dilution Factor: 1		Analysis Time..: 22:33	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: AW-25 (135)

TOTAL Metals

Lot-Sample #...: A4L040121-011 Matrix.....: WG
Date Sampled...: 12/03/04 12:40 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AF
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.28	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AL
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00030 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AG
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0022 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AH
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.22	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AA
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFV1AD
		Dilution Factor: 1		Analysis Time..: 19:00	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	2.7	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AC
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AJ
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFV1AK
		Dilution Factor: 1		Analysis Time..: 22:38	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: AW-28 (136)

TOTAL Metals

Lot-Sample #...: A4L040121-012 Matrix.....: WG
Date Sampled...: 12/03/04 12:20 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AF
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.25	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AL
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AG
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0030 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AH
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	5.6	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AA
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFW1AD
		Dilution Factor: 1		Analysis Time..: 19:01	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.7	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AC
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AJ
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFW1AK
		Dilution Factor: 1		Analysis Time..: 22:43	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-1SR (141)

TOTAL Metals

Lot-Sample #...: A4L040121-013 Matrix.....: WG
Date Sampled...: 12/02/04 15:15 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AF
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.085 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AL
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00029 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AG
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0016 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AH
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	2.8	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AA
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AFX1AD
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	4.0	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AC
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AJ
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0013 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AFX1AK
		Dilution Factor: 1		Analysis Time..: 23:00	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: PZ-2 (138)

TOTAL Metals

Lot-Sample #...: A4L040121-014 Matrix.....: WG
Date Sampled...: 12/02/04 11:15 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.011	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AF
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.14 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AL
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00033 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AG
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0024 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AH
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	39.6	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AA
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AF01AD
		Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.4	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AC
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AJ
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0017 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF01AK
		Dilution Factor: 1		Analysis Time..: 23:05	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: PZ-3 (139)

TOTAL Metals

Lot-Sample #...: A4L040121-015 Matrix.....: WG
Date Sampled...: 12/02/04 11:45 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AF
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.16 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AL
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AG
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0014 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AH
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	1.5	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AA
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AF31AD
		Dilution Factor: 1		Analysis Time..: 18:21	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.9	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AC
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AJ
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.00092 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF31AK
		Dilution Factor: 1		Analysis Time..: 23:10	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: PZ-5 (130)

TOTAL Metals

Lot-Sample #...: A4L040121-016 **Matrix.....:** WG
Date Sampled...: 12/02/04 15:45 **Date Received..:** 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AF
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.061 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AL
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00048 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AG
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AH
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.091 B	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AA
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AF41AD
		Dilution Factor: 1		Analysis Time..: 18:22	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	0.73	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AC
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AJ
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0011 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF41AK
		Dilution Factor: 1		Analysis Time..: 23:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: AW-1 (131)

TOTAL Metals

Lot-Sample #...: A4L040121-017 Matrix.....: WG
Date Sampled...: 12/03/04 09:40 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AF
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.25	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AL
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AG
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0033 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AH
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	2.2	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AA
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AF71AD
		Dilution Factor: 1		Analysis Time..: 18:24	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.9	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AC
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AJ
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AF71AK
		Dilution Factor: 1		Analysis Time..: 23:20	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-2S (117)

TOTAL Metals

Lot-Sample #...: A4L040121-018 Matrix.....: WG
Date Sampled...: 12/02/04 17:05 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.012	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AF
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.18 B	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AL
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00041 B	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AG
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0022 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AH
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	42.1	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AA
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AGD1AD
		Dilution Factor: 1		Analysis Time..: 19:04	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	2.2	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AC
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AJ
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0019 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AGD1AK
		Dilution Factor: 1		Analysis Time..: 23:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-2M (118)

TOTAL Metals

Lot-Sample #...: A4L040121-019 Matrix.....: WG
Date Sampled...: 12/02/04 17:15 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	0.019	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AF
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.43	0.20	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AL
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AG
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AH
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	5.7	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AA
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AGE1AD
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	0.47	0.015	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AC
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AJ
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.00089 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AGE1AK
		Dilution Factor: 1		Analysis Time..: 23:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-6S (122)

TOTAL Metals

Lot-Sample #...: A4L040121-020 Matrix.....: WG
Date Sampled...: 12/02/04 12:45 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4348367						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/14-12/16/04	G0AGF1AF
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	**0.22**	**0.20**	**mg/L**	**SW846 6010B**	**12/14-12/16/04**	**G0AGF1AL**
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/14-12/16/04	G0AGF1AG
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0025 B	0.0070	mg/L	SW846 6010B	12/14-12/16/04	G0AGF1AH
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.25	0.10	mg/L	SW846 6010B	12/14-12/16/04	G0AGF1AA
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/14-12/15/04	G0AGF1AD
		Dilution Factor: 1		Analysis Time..: 19:08	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	**3.6**	**0.015**	**mg/L**	**SW846 6010B**	**12/14-12/16/04**	**G0AGF1AC**
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/14-12/16/04	G0AGF1AJ
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	**0.00071 B**	**0.0070**	**mg/L**	**SW846 6010B**	**12/14-12/16/04**	**G0AGF1AK**
		Dilution Factor: 1		Analysis Time..: 23:35	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-6M (123)

TOTAL Metals

Lot-Sample #...: A4L040121-021 Matrix.....: WG
Date Sampled...: 12/02/04 12:20 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4349244						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/15-12/16/04	G0AGG1AF
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	**0.77**	**0.20**	**mg/L**	**SW846 6010B**	**12/15-12/16/04**	**G0AGG1AL**
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/15-12/16/04	G0AGG1AG
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGG1AH
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	ND	0.10	mg/L	SW846 6010B	12/15-12/16/04	G0AGG1AA
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/15/04	G0AGG1AD
		Dilution Factor: 1		Analysis Time..: 19:49	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	**2.0**	**0.015**	**mg/L**	**SW846 6010B**	**12/15-12/16/04**	**G0AGG1AC**
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	**0.0023 B**	**0.0030**	**mg/L**	**SW846 6010B**	**12/15-12/16/04**	**G0AGG1AJ**
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGG1AK
		Dilution Factor: 1		Analysis Time..: 16:15	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-8S (124)

TOTAL Metals

Lot-Sample #...: A4L040121-022 Matrix.....: WG
Date Sampled...: 12/02/04 20:10 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4349244						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AF
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.073 B	0.20	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AL
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00029 B	0.0020	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AG
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AH
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.45	0.10	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AA
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/15/04	G0AGJ1AD
		Dilution Factor: 1		Analysis Time..: 19:50	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	0.79	0.015	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AC
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AJ
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0010 B	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGJ1AK
		Dilution Factor: 1		Analysis Time..: 16:25	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-8M (125)

TOTAL Metals

Lot-Sample #...: A4L040121-023 Matrix.....: WG
Date Sampled...: 12/02/04 20:20 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4349244						
Arsenic	0.0027 B	0.010	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AF
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.70	0.20	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AL
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	0.00030 B	0.0020	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AG
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AH
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.12	0.10	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AA
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/15/04	G0AGL1AD
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.3	0.015	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AC
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	0.0020 B	0.0030	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AJ
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGL1AK
		Dilution Factor: 1		Analysis Time..: 16:30	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-14S (127)

TOTAL Metals

Lot-Sample #...: A4L040121-024 Matrix.....: WG
Date Sampled...: 12/02/04 10:50 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4349244						
Arsenic	0.0029 B	0.010	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AF
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	0.16 B	0.20	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AL
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AG
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	0.0013 B	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AH
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	12.1	0.10	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AA
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/15/04	G0AGM1AD
		Dilution Factor: 1		Analysis Time..: 19:55	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	3.1	0.015	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AC
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AJ
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	0.0011 B	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGM1AK
		Dilution Factor: 1		Analysis Time..: 16:47	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

NOTE(S):

B Estimated result. Result is less than RL.

ENSR Corporation

Client Sample ID: MW-15M (137)

TOTAL Metals

Lot-Sample #...: A4L040121-025 Matrix.....: WG
Date Sampled...: 12/02/04 13:20 Date Received..: 12/04/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4349244						
Arsenic	ND	0.010	mg/L	SW846 6010B	12/15-12/16/04	G0AGP1AF
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0026		
Barium	**0.44**	**0.20**	**mg/L**	**SW846 6010B**	**12/15-12/16/04**	**G0AGP1AL**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00075		
Cadmium	ND	0.0020	mg/L	SW846 6010B	12/15-12/16/04	G0AGP1AG
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00028		
Cobalt	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGP1AH
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00096		
Iron	0.51	0.10	mg/L	SW846 6010B	12/15-12/16/04	G0AGP1AA
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.049		
Mercury	ND	0.00020	mg/L	SW846 7470A	12/15/04	G0AGP1AD
		Dilution Factor: 1		Analysis Time..: 19:56	Analyst ID.....: 001619	
		Instrument ID..: H1		MDL.....: 0.000029		
Manganese	**2.2**	**0.015**	**mg/L**	**SW846 6010B**	**12/15-12/16/04**	**G0AGP1AC**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0012		
Lead	ND	0.0030	mg/L	SW846 6010B	12/15-12/16/04	G0AGP1AJ
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.0017		
Vanadium	ND	0.0070	mg/L	SW846 6010B	12/15-12/16/04	G0AGP1AK
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I6		MDL.....: 0.00071		

014652

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Chain of Custody Record

CHAIN OF CUSTODY NUMBER

* 0 1 2 0 0 2 - 0 0 1 *

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

TL4149 (1202)

Client: ISR Consulting & Engineering	Project Manager: Peter Moore	Date: 11/17/2004	Page 1 of 6
Address: 500 Park Glen Road	Telephone Number (Area Code)/Fax Number: (000) / (000)	Lab Location: STL North Canton	Analysis
City: inneapolis · State: MN · Zip Code: 55416	Site Contact: Peter Moore		
Project Number/Name: nalaska Landfill	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: ONTRACT / PURCHASE ORDER # :		QUOTE: 50897	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC	METALS	CL SO4 NO3
Pretasky	12-2-04	19:45	WATER	40mL	VIAL	3	1:1 HCL		X		
Pretasky	↓	19:45	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
Johnson		19:00	WATER	40mL	VIAL	3	1:1 HCL		X		
Johnson		19:00	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
~~Ackerman~~			~~WATER~~	~~40mL~~	~~VIAL~~	~~3~~	~~1:1 HCL~~		~~X~~		
~~Ackerman~~			~~WATER~~	~~1000mL~~	~~PLASTIC~~	~~1~~	~~Conc HNO3~~			~~X~~	
Miller		19:20	WATER	40mL	VIAL	3	1:1 HCL		X		
Miller	↓	19:20	WATER	1000mL	PLASTIC	1	Conc HNO3			X	

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ Normal ☐ Rush ☐ Other ______

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

1. Relinquished By: [signature]	Date: 12-3-04	Time: 16:00	1. Received By: [signature]	Date: 12/4/04	Time: 9:3
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL North Canton

[redacted]

Chain of Custody Record

TL4149 (1202)

CHAIN OF CUSTODY NUMBER

* 0 1 2 0 0 2 - 0 0 2 *

SEVERN TRENT **STL** Severn Trent Laboratories, Inc.

014653

22

Client	Project Manager	Date	Page 2 of 6
NSR Consulting & Engineering	Peter Moore	11/17/2004	
Address: 500 Park Glen Road	Telephone Number (Area Code)/Fax Number: (000) / (000)	Lab Location: STL North Canton	Analysis
City: inneapolis; State: MN; Zip Code: 55416	Site Contact: Peter Moore		
Project Number/Name: nalaska Landfill	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: ONTRACT / PURCHASE ORDER # :		QUOTE: 50897	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC	METALS	CL SO4 NO3
MW-4S	12-2-04	16:00	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4S	(arrow)	(arrow)	WATER	250mL	PLASTIC	1	None				X
MW-4S			WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-4SDuplicate			WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4SDuplicate			WATER	250mL	PLASTIC	1	None				X
MW-4SDuplicate			WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-4SMatrixSpike			WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4SMatrixSpike			WATER	250mL	PLASTIC	1	None				X
MW-4SMatrixSpike			WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-4SMatrixSpikeDuplicate			WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4SMatrixSpikeDuplicate			WATER	250mL	PLASTIC	1	None				X
MW-4SMatrixSpikeDuplicate			WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-5S	12-3-04	13:30	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-5S	(arrow)	(arrow)	WATER	250mL	PLASTIC	1	None				X
MW-5S			WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-5SDuplicate			WATER	40mL	VIAL	3	1:1 HCL		X		

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ Normal ☐ Rush ☐ Other______

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

1. Relinquished By: [signature] Date: 12-3-04 Time: 16:00
1. Received By: [signature] Date: 12/4/04 Time: 9:35

2. Relinquished By: Date: Time:
2. Received By: Date: Time:

3. Relinquished By: Date: Time:
3. Received By: Date: Time:

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL North Canton

Chain of Custody Record

TL4149 (1202)

CHAIN OF CUSTODY NUMBER

* 0 1 2 0 0 2 - 0 0 3 *

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

01465

23

Client	Project Manager	Date	Page 3 of 6
NSR Consulting & Engineering	Peter Moore	11/17/2004	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
500 Park Glen Road	(000) / (000)	STL North Canton	
City / **State** / **Zip Code**	**Site Contact**		
inneapolis / MN / 55416	Peter Moore		
Project Number/Name	**Carrier/Waybill Number**		
nalaska Landfill			
Contract/Purchase Order/Quote Number			
ONTRACT / PURCHASE ORDER # :	QUOTE: 50897		

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	VOC	HEL TSA L4 SN 03
MW-5SDuplicate	12-3-04	13:30	WATER	250mL	PLASTIC	1	None			X
MW-5SDuplicate	12-3-04	13:30	WATER	1000mL	PLASTIC	1	Conc HNO3			X
AW-9	12-3-04	10:15	WATER	40mL	VIAL	3	1:1 HCL		X	
AW-9	12-3-04	10:15	WATER	250mL	PLASTIC	1	None			X
AW-9	12-3-04	10:15	WATER	1000mL	PLASTIC	1	Conc HNO3			X
AW-13	12-3-04	10:40	WATER	40mL	VIAL	3	1:1 HCL		X	
AW-13	12-3-04	10:40	WATER	250mL	PLASTIC	1	None			X
AW-13	12-3-04	10:40	WATER	1000mL	PLASTIC	1	Conc HNO3			X
AW-20		13:00	WATER	40mL	VIAL	3	1:1 HCL		X	
AW-20		13:00	WATER	250mL	PLASTIC	1	None			X
AW-20		13:00	WATER	1000mL	PLASTIC	1	Conc HNO3			X
AW-25		12:40	WATER	40mL	VIAL	3	1:1 HCL		X	
AW-25		12:40	WATER	250mL	PLASTIC	1	None			X
AW-25		12:40	WATER	1000mL	PLASTIC	1	Conc HNO3			X
AW-28		12:20	WATER	40mL	VIAL	3	1:1 HCL		X	
AW-28	↓	12:20	WATER	250mL	PLASTIC	1	None			X

Special Instructions

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☐ Normal ☐ Rush ☐ Other _____

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12-3-04	16:00	1. Received By	12/4/04	9:3
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL North Canton

[redacted]

Chain of Custody Record

TL4149 (1202)

CHAIN OF CUSTODY NUMBER

* 0 1 2 0 0 2 - 0 0 4 *

SEVERN TRENT **STL** Severn Trent Laboratories, Inc.

014655

24

Client	Project Manager	Date	Page 4 of 6
SR Consulting & Engineering	Peter Moore	11/17/2004	
Address: 500 Park Glen Road	Telephone Number (Area Code)/Fax Number: (000) / (000)	Lab Location: STL North Canton	Analysis
City: inneapolis — State: MN — Zip Code: 55416	Site Contact: Peter Moore		
Project Number/Name: nalaska Landfill	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: ONTRACT / PURCHASE ORDER # :		QUOTE: 50897	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC	METALS	CL SO4 NO3
AW-28	12-3-04	12:20	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-15R	12-2-04	15:15	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-15R	12-2-04	15:15	WATER	250mL	PLASTIC	1	None				X
MW-15R	12-2-04	15:15	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
PZ-2	12-2-04	11:15	WATER	40mL	VIAL	3	1:1 HCL		X		
PZ-2	12-2-04	11:15	WATER	250mL	PLASTIC	1	None				X
PZ-2	12-2-04	11:15	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
PZ-3	12-2-04	11:45	WATER	40mL	VIAL	3	1:1 HCL		X		
PZ-3	12-2-04	11:45	WATER	250mL	PLASTIC	1	None				X
PZ-3	12-2-04	11:45	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
PZ-5	12-2-04	15:45	WATER	40mL	VIAL	3	1:1 HCL		X		
PZ-5	12-2-04	15:45	WATER	250mL	PLASTIC	1	None				X
PZ-5	12-2-04	15:45	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
AW-1	12-3-04	9:40	WATER	40mL	VIAL	3	1:1 HCL		X		
AW-1	12-3-04	9:40	WATER	250mL	PLASTIC	1	None				X
AW-1	12-3-04	9:40	WATER	1000mL	PLASTIC	1	Conc HNO3			X	

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ Normal ☐ Rush ☐ Other______

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	12-3-04	16:00	1. Received By: [signature]	12/4/04	9:35
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

STL North Canton

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

TL4149 (1202)

CHAIN OF CUSTODY NUMBER

* 0 1 2 0 0 2 - 0 0 5 *

SEVERN TRENT STL

Severn Trent Laboratories, Inc.

01465b

25

Client	Project Manager	Date	Page 5 of 6
NSR Consulting & Engineering	Peter Moore	11/17/2004	
Address 500 Park Glen Road	**Telephone Number (Area Code)/Fax Number** (000) / (000)	**Lab Location** STL North Canton	Analysis
City inneapolis / **State** MN / **Zip Code** 55416	**Site Contact** Peter Moore		
Project Number/Name malaska Landfill	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number ONTRACT / PURCHASE ORDER # :	QUOTE: 50897		

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	VOC	MET AL S	CL SO4 NO3
MW-2S	12-2-04	12:05	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-2S	12-2-04	12:05	WATER	250mL	PLASTIC	1	None				X
MW-2S	12-2-04	12:05	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-2M	12-2-04	12:15	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-2M	12-2-04	12:15	WATER	250mL	PLASTIC	1	None				X
MW-2M	12-2-04	12:15	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-6S	12-2-04	12:45	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-6S	12-2-04	12:45	WATER	250mL	PLASTIC	1	None				X
MW-6S	12-2-04	12:45	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-6M	12-2-04	12:20	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-6M	12-2-04	12:20	WATER	250mL	PLASTIC	1	None				X
MW-6M	12-2-04	12:20	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-8S	12-2-04	20:10	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-8S	12-2-04	20:10	WATER	250mL	PLASTIC	1	None				X
MW-8S	12-2-04	20:10	WATER	1000mL	PLASTIC	1	Conc HNO3			X	
MW-8M	12-2-04	20:20	WATER	40mL	VIAL	3	1:1 HCL		X		

Special Instructions

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☐ Normal ☐ Rush ☐ Other _____

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By Peter Moore	12-3-04	16:00	1. Received By	12/4/04	9:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

STL North Canton

Chain of Custody Record

TL4149 (1202)

CHAIN OF CUSTODY NUMBER

* 0 1 2 0 0 2 - 0 0 6 *

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

014657

Client	Project Manager	Date	Page 6 of 6
NSR Consulting & Engineering	Peter Moore	11/17/2004	
Address 500 Park Glen Road	**Telephone Number (Area Code)/Fax Number** (000) / (000)	**Lab Location** STL North Canton	Analysis
City innaapolis / **State** MN / **Zip Code** 55416	**Site Contact** Peter Moore		
Project Number/Name nalaska Landfill	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number ONTRACT / PURCHASE ORDER # :		QUOTE: 50897	

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Type	No.	Preservative	Condition on Receipt/Comments	VOC	MEL	CTS	ALS	NO3
~~MW-8M~~	12-2-04	20:20	WATER	250mL	PLASTIC	1	None						X
~~MW-8M~~	12-2-04	20:20	WATER	1000mL	PLASTIC	1	Conc HNO3				X		
~~MW-14S~~	12-2-04	10:50	WATER	40mL	VIAL	3	1:1 HCL		X				
~~MW-14S~~	12-2-04	10:50	WATER	250mL	PLASTIC	1	None						X
~~MW-14S~~	12-2-04	10:50	WATER	1000mL	PLASTIC	1	Conc HNO3				X		
~~MW-15M~~	12-2-04	13:20	WATER	40mL	VIAL	3	1:1 HCL		X				
~~MW-15M~~	12-2-04	13:20	WATER	250mL	PLASTIC	1	None						X
~~MW-15M~~	12-2-04	13:20	WATER	1000mL	PLASTIC	1	Conc HNO3				X		
TRIP Blank			Water	40ml	vial	4	HCL		X				

Special Instructions

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☐ Normal ☐ Rush ☐ Other _____

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Peter Moore	12-3-04	16:00	1. Received By: John M Talbot	12/4/04	9:35
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

STL North Canton

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy