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St. Louis Park / Edina Groundwater VOC Contamination Study - Phase IV

Task 1002 - Groundwater VOC Data Review

STS Project 200803587

June 30, 2008

Prepared by:
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June 30, 2008

Mr. Nile Fellows
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155

Re: St. Louis Park / Edina Groundwater VOC Contamination Study – Phase IV, Task 1002 – Groundwater VOC Data Review, VOC Database Maintenance, Analysis of Trends; STS Project 200703587

Dear Mr. Fellows:

We are pleased to present our report covering work conducted under Task 1002 - Groundwater VOC Data Review, VOC Database Maintenance, Analysis of Trends of St. Louis Park / Edina Groundwater VOC Contamination Study – Phase IV (2008). The work was conducted following the scope of work outlined in STS Proposal 200701405, Task 1002 (June 28, 2007). The proposal was approved as stated in the Contract Work Order SFST0802 issued by MPCA on July 9, 2007. This work order is a continuation of the City of Edina Well No. 7 Study – Phase I, Phase II and Phase III, conducted since July 2004.

This report presents the updated database of the VOC data collected in the area since 2004. The database includes the most recent data collected in 2008. We also present the limited VOC concentration trend analysis. The original scope of work stipulated development of a report. However, only a portion of the groundwater samples scheduled to be collected by ENSR (and split of VOC analysis) during the Spring-Summer of 2008 were actually collected as of June 30, 2008 – this project's deadline date. Therefore STS processed, analyzed and summarized only the VOC data received up to that date and present it in a form of a preliminary report. As soon as all the remaining Spring-Summer of 2008 data is received, STS can complete a full report under a separate work order.

If you have any questions, please contact Peter Rzepecki at 763-315-6345 or Robert DeGroot at 763-315-6317.

Sincerely,

Peter Rzepecki, PhD, PHg, PG
Senior Hydrogeologist, Risk Assessor

Robert DeGroot, PE, PG
Principal Engineer

PR/dn
Encs.

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1.0 Introduction

Vinyl chloride (VC) contamination detected in the City of Edina Municipal Well Number 7 (ED-7) triggered a multi-phase investigation that is described in the following reports that are available in the Minnesota Pollution Control Agency's (MPCA) archives:

- City of Edina Well No. 7 Study - Preliminary Data Report (STS, March 2005)
- Land Use and Source Characterization Survey – Edina Well Evaluation (STS, May 2005)
- City of Edina Well No. 7 Study - Phase II Report (STS, June 2005)
- City of Edina Well No. 7 Study - Phase III Report (STS, June 2006a)
- St. Louis Park W437 Chlorinated Solvent Source Investigation (STS, March 2006)
- Construction and Testing of the Edina OPCJ Test Well (STS, June 2007)
- St. Louis Park / Edina / Hopkins Groundwater Volatile Organic Compounds Contamination Study – 2007
- St. Louis Park / Edina Groundwater VOC Contamination Study – Phase IV (2008); STS Project 200703587 – Task 1001: Monitoring and Testing the Three OPCJ Wells: Edina Well No. 7, Edina OPCJ Test Well and Meadowbrook Golf Course Well (STS, June 30, 2008a)
- St. Louis Park / Edina Groundwater VOC Contamination Study – Phase IV (2008); STS Project 200703587 – Task 1004: Focused Feasibility Study (STS, June 30, 2008d)

The multi-stage Reilly Tar Site / Meadowbrook groundwater modeling project is also related to the study of the VOC plume in Edina, St. Louis Park and Hopkins. The most up-to-date reports summarizing this project (also available at the MPCA archives) are:

- Reilly Tar Site / Meadowbrook Groundwater Model Set-up and Calibration Report (STS, May 2005)
- Reilly Tar Site / Meadowbrook Groundwater Model Expansion (STS, June 2006b)
- Hydrogeological Analysis for 3rd Five Year Review – Reilly Tar & Chemical Corporation Superfund Site (STS, August 2006)
- Reilly Tar Site / Meadowbrook Groundwater Model Update - Project No. 200703587 – Task 1003 (STS, June 30, 2008c)

The subject of this letter report is a review of the newly collected Volatile Organic Compound (VOC) data (up to June of 2008 data), incorporating the new data into the VOC database and performing preliminary trend analysis.

MPCA is obtaining groundwater samples for low-level VOC analysis by splitting samples collected by ENSR. The results of this analysis are made available to STS for processing and reporting, such as presented in this report.

All the samples for VOC analysis collected in 2008 are split samples obtained by the MPCA by splitting the ENSR collected samples.

The VOC Database also included one surface water sample collected by STS as a grab sample next to the Thermotech facility from the Nine-Mile Creek in Hopkins.

All the laboratory analysis included in the tables was performed by the Minnesota Department of Health (MDH) laboratory. The low-level VOC analyses were conducted using the USEPA method 8260.

4.0 Conclusions

No discussion or interpretation of the 2008 data or concentration trends observed over 2004-2008 is provided in this report. STS can complete a full report upon receiving the remainder of the 2008 data, if authorized during FY09.

6.0 References

Gilbert, R.O., 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold, New York, 1987.

STS, March 3, 2005. City of Edina Well No. 7 Study, July 2004 to March 2005 Preliminary Data Report. Prepared for the Minnesota Pollution Control Agency, STS Project 99613-XA.

STS, May 27, 2005. Land Use and Source Characterization Survey – Edina Well Evaluation. Prepared for the Minnesota Pollution Control Agency, STS Project 99613-XB.

STS, May 31, 2005. Reilly Tar Site / Meadowbrook Groundwater Model Set-up and Calibration Report. Prepared for the Minnesota Pollution Control Agency, STS Project 99330-XD.

STS, June 30, 2005. City of Edina Well No. 7 Study – Phase II Report, March 2005 to June 2005. Prepared for the Minnesota Pollution Control Agency, STS Project 99613-XB.

STS, March 13, 2006. St. Louis Park W437 Chlorinated Source Investigation. Prepared for the Minnesota Pollution Control Agency, STS Project 30055.

STS, June 30, 2006a. City of Edina Well No. 7 Study – Phase III Report, August 2005 - June 2006. Prepared for the Minnesota Pollution Control Agency, STS Project 99613-XC.

STS, June 30, 2006b. Reilly Tar Site / Meadowbrook Ground Water Model Expansion. Prepared for the Minnesota Pollution Control Agency, STS Project 99330-XF.

STS, August 2, 2006. Hydrogeological Analysis for the 3rd Five Year Review – Reilly Tar & Chemical Corporation Superfund Site. Prepared for the Minnesota Pollution Control Agency, STS Project 200604690.

STS, June 30, 2007a. Construction and Testing of the Edina OPCJ Test Well. Prepared for the Minnesota Pollution Control Agency. STS Project No. 200605032.

STS, June 30, 2007b. St. Louis Park / Edina / Hopkins Groundwater Volatile Organic Compounds Contamination Study – 2007. STS Project No. 200701405

Tables

Table 1 – Groundwater Analytical Results – Drift Wells

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Table 5 - Groundwater Analytical Results – Deep Aquifers' Wells

Table 6 - Groundwater Analytical Results – QA/QC Samples

Table 1
Groundwater Analytical Results - Drift Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

							???	???									???	???	???				???	???	
			Well Name:	P 8	P 9	P 58	P109	P109	P109	P112	P112	P112	P112	P112	P304	P305	P307	P307D	P307	P307	P307-DUP	P308	P308	P308
			CWI Name:																						
			MN Unique Well No.:	00216117	00216118	00227944	00216194	00216194	00216194	00216166	00216166	00216166	00216166	00216166	00439765	00439765	00462926	00462926	00462926	00462926	00462926	00462927	00462927	00462927
			Aquifer:	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift
			STS Sample ID:	P 8	P 9	P 58					P112	P112			P304	P305								
			MDH Sample No:	200514577	200514581	200514580		200611310	200710977	200508514	200514578	200514579	200611305	200710976	200514574	200514575			200611306	200710972	200710998		200611313	200710978
			Sample Date:	6/7/2005	6/8/2005	6/7/2005	4/26/2005	5/8/2006	5/9/2007	4/25/2005	6/7/2005	6/7/2005	5/8/2006	5/9/2007	6/6/2005	6/6/2005	4/25/2005	4/25/2005	5/8/2006	5/9/2007	5/9/2007	4/25/2005	5/8/2006	5/9/2007
			Notes:	Low Flow Sample	Low Flow Sample	Low Flow Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR split sample	Low Flow Sample	Low Flow Sample, Duplicate	ENSR Split Sample	ENSR Split Sample	Low Flow Sample	Low Flow Sample, Duplicate	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard	Federal Drinking Water Standards																						
Benzene	ug/L	5 HRL	5 MCL	**0.5**	<0.2	<0.2	**13.0**	<1.0	**0.7**	<0.2	**0.3**	**0.4**	<1.0	**0.3**	<0.2	<0.2	<0.2	<0.2	3.7	34.0	30.0	**13.0**	<1.0	**0.5**
n-Butylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Chlorodibromoethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Chloroethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Chloroform	ug/L	60 HRL	--	<0.1	<0.1	<0.1	**0.1**	<1.0	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<1.0	<0.1
1,1-Dichloroethane	ug/L	70 HRL	--	<0.2	<0.2	<0.2	**0.7**	<1.0	**0.20 J**	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	**0.3**	<1.0	<0.2
1,2-Dichloroethane	ug/L	4 HRL	5 MCL	<0.2	<0.2	<0.2	**0.4**	<1.0	<0.2	<0.2	**0.3**	**0.3**	<1.0	**0.3**	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	**0.5**	<1.0	<0.2
1,1-Dichloroethene	ug/L	6 HRL	7 MCL	<0.5	<0.5	<0.5	**14.0**	<1.0	**0.21 J**	<0.5	**0.6**	**0.9**	**0.8 J**	**0.6**	<0.5	<0.5	<0.2	<0.2	**0.97 J**	**1.3**	**5.0**	**12**	<1.0	<0.5
cis-1,2-Dichloroethene	ug/L	70 HRL	70 MCL	**98.0**	<0.2	<0.2	**3800.0**	**0.7 J**	**0.8**	**0.7**	**2.6**	**3.5**	**3.3**	**2.7**	<0.2	<0.2	**0.6**	<0.2	**340 RC**	**1600 RC**	**1400 RC**	**2100.0**	**3.5**	**29**
trans-1,2-Dichloroethene	ug/L	100 HRL	100 MCL	**23**	<0.1	<0.1	**61**	<1.0	**0.088 J**	<0.1	<0.1	<0.1	<1.0	**0.1**	<0.1	<0.1	<0.1	<0.1	**18**	**330 RC**	**330 RC**	**55**	<1.0	**6.0**
Dichlorodifluoromethane	ug/L	1000 HRL	--	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<0.1	<1.0	<1.0	<1.0	<0.1	<1.0	<1.0
Dichlorofluoromethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Ethylbenzene	ug/L	700 HRL	700 MCL	<0.5	<0.5	<0.5	**0.7**	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**2.8**	**12**	**11**	**1.8**	<1.0	<0.5
Isopropylbenzene	ug/L	300 HRL*	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	**2.4**	**2.2**	**1**	<1.0	<0.5
p-Isopropyltoluene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Methylene chloride (Dichloror	ug/L	5 HRL	5 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Methyl ethyl ketone	ug/L	4000 HRL	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	300 HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	<1.0	<1.0	**8.5**	**7.5**	**4.3**	<1.0	**1.3**	**14**
n-Propylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	**0.6**	**0.5**	<0.5	<1.0	<0.5
Styrene	ug/L	--	100 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Tetrachloroethene	ug/L	5 HRL	5 MCL	<0.2	<0.2	<0.2	**1000.0**	<1.0	<0.2	**0.4**	<0.2	<0.2	<1.0	**0.2**	<0.2	<0.2	<0.2	**0.3**	130 RC	940 RC	830 RC	**560.0**	**5.4**	**39.0**
Tetrahydrofuran	ug/L	--	--	<10	<10	<10	<10	<1.0	<10	<10	<10	<10	<1.0	<10	<10	<10	<10	<10	<1.0	<10	<10	<10	<1.0	<10
Toluene	ug/L	1000 HRL	1000 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.2	<0.5	<0.5	<0.5	<1.0	<0.2	<0.5	<0.5	<0.5	<0.5	<1.0	**0.6**	**0.50 J**	<0.5	<1.0	**0.13 J**
1,1,1-Trichloroethane	ug/L	200 HRL	200 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2
1,1,2-Trichloroethane	ug/L	3 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5 HRL	5 MCL	**23**	<0.1	<0.1	**690.0**	<1.0	**0.1**	**0.2**	**0.3**	**0.4**	<1.0	**0.5**	**0.1**	<0.1	**0.3**	<0.1	130 RC	970 RC	870 RC	**420.0**	**6.1**	**68.0**
1,2,4-Trimethylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
1,3,5-Trimethylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5
Vinyl Chloride	ug/L	0.2 HRL	2 MCL	**6.2**	<0.2	<0.2	**44.0**	**1.5**	**1.3**	<0.2	**3.5**	**4.7**	**2.7**	**1.5**	<0.2	<0.2	<0.2	<0.2	<1.0	**61.0**	**120 RC**	**130.0**	<1.0	**0.8**
o-Xylene	ug/L	--	--	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	**0.6**	<0.2	<1.0	<0.2
p&m-Xylene	ug/L	--	--	<0.3	<0.3	<0.3	**0.6**	<1.0	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	**0.7**	**0.8**	<1.0	<0.3
Xylene (total)	ug/L	10000 HRL	10000 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**1.3**	<0.5	<1.0	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

??? - Results of consecutive sampling events diverge more than 100 x

J - The analyte positively identified, below the report level, estimated

QR - Result estimated

RC - Report level was changed due to sample dilution

* - due to new research, the MDH no longer recommends the HRL value - review pending

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 1
Groundwater Analytical Results - Drift Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

									???	???		???	???									???	???		
				Well Name:	P309	P309	P309	P310	P310	P310	P312	P312	P312	W-2	W9	W10	W15	W16	W17	W22	W117	W117	W117	W128
				CWI Name:																					
				MN Unique Well No.:	00462928	00462928	00462928	00462929	00462929	00462929	00462932	00462932	00462932	00216031	00216037	00216038	,00216043	00216044	00216044	00200993	00160031	00160031	00160031	00165583
				Aquifer:	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift
				STS Sample ID:										W-2	W9	W10	W15	W16	W17	W22				
				MDH Sample No:		200610311	200710962		200611308	200710980		200610313	200710986	200514049	200514042	200514045	200514030	200514043	200514047	200514041		200611311	200710973	200710966
				Sample Date:	4/25/2005	5/2/2006	5/8/2007	4/25/2005	5/8/2006	5/10/2007	4/26/2005	5/2/2006	5/7/2007	6/3/2005	6/3/2005	6/3/2005	6/2/2005	6/3/2005	6/3/2005	6/3/2005	4/26/2005	5/8/2006	5/9/2007	5/8/2007
				Notes:	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample, Duplicate	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																					
Benzene	ug/L	5	HRL	5 MCL	1.3	2.6	5.5	0.6	3.9	1.8	<0.2	7.8	10	<0.2	14.0	<0.2	<0.2	<0.2	<0.2	0.8	8.2	1.2	1.6	0.12 J
n-Butylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroethane	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroform	ug/L	60	HRL	--	<0.1	0.2	<0.1	<0.1	<1.0	0.078 J	0.2	<0.1	<0.1	<0.1	0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--	<0.2	<1.0	<0.2	0.2	<1.0	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	0.13 J	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5 MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7 MCL	<0.2	<1.0	<0.5	<0.2	3.4	0.9	<0.2	5.1	6.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<1.0	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70 MCL	<0.2	23	130 RC	0.5	810 RC	770 RC	1.9	1500 RC	46	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	330.0	1.5	21	0.3
trans-1,2-Dichloroethene	ug/L	100	HRL	100 MCL	1.2	6.6	6.1	0.1	15	11	<0.1	60	60 RC	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	13	1.7	5.9	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--	<0.1	<1.0	<1.0	<0.1	<1.0	<1.0	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	0.45 J
Ethylbenzene	ug/L	700	HRL	700 MCL	<0.5	0.3 J	0.40 J	<0.5	<1.0	0.16 J	<0.5	<0.5	<0.5	<0.5	16	<0.5	<0.5	<0.5	<0.5	0.6	1.6	<1.0	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	0.50 J	<0.5	2.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5 MCL	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Methyl ethyl ketone	ug/L	4000	HRL	--	<10	<10	<10	<10	<10	<10	<10	<10	59	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	300	HRL	--	<1.0	32	18 RC	<1.0	1.4	4.5 QR	<1.0	7.2	5.1	<1.0	660.0	<1.0	<1.0	<1.0	<1.0	2.7	4	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Styrene	ug/L	--		100 MCL	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5 MCL	<0.2	94.0	430 RC	<0.2	9.7	180 RC	3.9	7.8	1.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	11.0	<1.0	0.080 J	0.3
Tetrahydrofuran	ug/L	--		--	<10	<1.0	<10	<10	<1.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1.0	<10	<10
Toluene	ug/L	1000	HRL	1000 MCL	<0.5	<1.0	0.23 J	<0.5	<1.0	0.27 J	<0.5	<0.2	0.22 J	<0.5	1.2	<0.5	<0.5	1.1	1.1	4.3	<0.5	<1.0	<0.2	<0.2
1,1,1-Trichloroethane	ug/L	200	HRL	200 MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
1,1,2-Trichloroethane	ug/L	3	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5 MCL	<0.1	69.0	210 RC	<0.1	15	130 RC	2.5	3.5	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	5.3	<1.0	0.4	0.3
1,2,4-Trimethylbenzene	ug/L	--		--	<0.5	<1.0	0.32 J	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2 MCL	1.5	4.0	<0.2	2.1	50.0	170 RC	<0.2	120.0	190 RC	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	160.0	1.2	1.7	<0.2
o-Xylene	ug/L	--		--	<0.2	0.13 J	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	17	<0.2	<0.2	<0.2	<0.2	0.4	0.5	<1.0	<0.2	<0.2
p&m-Xylene	ug/L	--		--	<0.3	0.4	<0.3	<0.3	<1.0	0.12 J	<0.3	<0.3	<0.3	<0.3	11	<0.3	<0.3	<0.3	<0.3	0.3	0.8	<1.0	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000 MCL	<0.5	0.53	<0.5	<0.5	<1.0	0.32	<0.5	<0.5	<0.5	<0.5	28	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<1.0	<0.5	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

??? - Results of consecutive sampling events diverge more than 100 x

J - The analyte positively identified, below the report level, estimated

QR - Result estimated

RC - Report level was changed due to sample dilution

* - due to new research, the MDH no longer recommends the HRL value - review pending

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 1
Groundwater Analytical Results - Drift Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

						???	???	???						???	???										
				Well Name:	W136	W136 - DUP	W136	W136	W420	W420	W420	W420	W422	W422	W422	W423	W425	W427	W427	W427	W439 - U.S.G.S. NO. 135	W439	W439	W439	R. REED II	Nine Mile Creek
				CWI Name:					W420 - U.S.G.S. WELL NO. 100												W439 - U.S.G.S. NO. 135				JAMES HILDRETH	--
				MN Unique Well No.:	00165591	00165591	00165591	00165591	00434405	00434045	00434045	00434045	00434043	00434043	00434043	00439813	00439813	00439811	00439811	00439811	00538134	00538134	00538134	00538134	00218194	--
				Aquifer:	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	Drift	
				STS Sample ID:					SLP 420							W423	W425				SLP 439				6223 Westridge Blvd	Nine Mile Creek near Thermotech 1202
				MDH Sample No:			200610312	200710988	200432995		200610295	200710990		200610315	200710985	200514029	200514036		200611309	200710979	200432994		200611304	200710975	200532479	200603046
				Sample Date:	4/26/2005	4/26/2005	5/2/2006	5/7/2007	12/9/2004	5/2/2005	5/2/2006	5/7/2007	4/26/2005	5/2/2006	5/7/2007	6/2/2005	6/2/2005	4/26/2005	5/8/2006	5/9/2007	12/9/2004	4/25/2005	5/8/2006	5/9/2007	12/1/2005	2/10/2006
				Notes:	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample, questionable sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	Discrete Sample, Duplicate	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Grab Water Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																					
Benzene	ug/L	5	HRL	5	MCL	**16.0**	**18.0**	<0.2	<0.2	**84.0**	**100.0**	**80.0**	<0.2	**55.0**	**0.2 J**	**0.15 J**	<0.2	<0.2	**0.4**	<1.0	<0.2	**71.0**	<0.2	**70.0**	**54 RC**	<0.2	<0.2
n-Butylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--		**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--		**2.3**	<0.5	<0.5	<0.5	<0.5	**0.5**	**0.5 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--		<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	0.1	<1.0	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--		<0.2	<0.2	<0.2	<0.2	**0.5**	<0.2	**0.5**	**0.6**	<0.2	**0.4**	**0.3**	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	0.4	<1.0	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5	MCL	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	**0.3**	<0.2	<0.2	**0.4**	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL	**2.3**	<0.2	<0.5	<0.5	<0.5	**0.4**	**0.3 J**	**0.8**	<0.2	<0.5	<0.5	<0.5	<0.5	**0.9**	<1.0	<0.5	<0.5	<0.2	<1.0	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL	**630.0**	**590.0**	<0.2	**1.8**	**21**	**28**	**45**	**150 RC**	**4.7**	**0.7**	**1.1**	<0.2	<0.2	**4.1**	**0.5 J**	**1.3**	**2.3**	**0.6**	**1.8**	**2.1**	<0.2	**0.5**
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL	**74**	**76**	<0.1	<0.1	**18**	**23**	**23**	**39**	**1.1**	**0.5**	**1.2**	<0.1	<0.1	<0.1	<1.0	**0.1**	**1.0**	**0.3**	**1.3**	**0.7**	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--		<0.1	<0.1	<1.0	<1.0	<1.0	<0.1	<1.0	**5.1 QR**	<0.1	**1.6**	<1.0	<1.0	<1.0	<0.1	<1.0	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**3.0**	**2.2**	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	3	<1.0	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL	**24**	**24**	<0.5	<0.5	**98**	**51**	**90 RC**	<0.5	**110**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**110**	**<0.5**	**93**	**78 RC**	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--		**2.6**	**2.8**	<0.5	<0.5	**9.9**	**9.6**	**8.8**	<0.5	**12**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**11**	**<0.5**	**9.5**	**8.3**	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	**2.2**	<0.5	<0.5	<0.5	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**0.9 J**	**0.6**	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Methyl ethyl ketone	ug/L	4000	HRL	--		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	300	HRL	--		**7.5**	**3.5**	**1.4**	**15**	**2400.0**	**3100.0**	**3200.0**	**2500 RC**	**1100.0**	**0.6 J**	**0.629 J**	<1.0	<1.0	**14**	<1.0	<1.0	**1000.0**	<1.0	**780.0**	**800 RC**	<1.0	<1.0
n-Propylbenzene	ug/L	--		--		**0.8**	**0.9**	<0.5	<0.5	**3.8**	**2.8**	**2.7**	**2.5**	**8.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**9.8**	**<0.5**	**7.1**	**4.3**	<0.5	<0.5
Styrene	ug/L	--		100	MCL	<0.5	<0.5	<0.5	<0.5	**1.9**	<0.5	<0.5	<0.5	**3.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL	**2800.0**	**2700.0**	**1.2**	**14**	<0.2	<0.2	<0.2	**0.3**	**1.6**	**0.2 J**	**0.13 J**	<0.2	<0.2	**5**	**2.0**	**3.3**	<0.2	<0.2	<1.0	**0.3**	<0.2	**3.4**
Tetrahydrofuran	ug/L	--		--		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1.0	<10	<10	<10	<1.0	<10	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL	**0.8**	**0.9**	<0.2	<0.2	**4.4**	**3.8**	**2.7**	**2.7**	**5.4**	<0.2	<0.2	**2.6**	**3.6**	<0.5	<1.0	<0.2	**8.1**	**<0.5**	**3.3**	**2.6**	<0.2	<0.2
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.1 J**	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/L	3	HRL	5	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.12 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL	**1900.0**	**1800.0**	**0.5**	**9.7**	**2.6**	**1.7**	**0.3**	**0.5**	**0.9**	**0.3**	**0.5**	<0.1	<0.1	**0.6**	**1.6**	**1.7**	**0.1**	**0.2**	<1.0	**0.7**	<0.1	**0.9**
1,2,4-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	**35**	**46**	<0.5	**35**	**84**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**43**	**<0.5**	**70**	**35**	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--		**0.6**	**0.6**	<0.5	<0.5	**15**	**16**	**11**	**12**	**13**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**8.5**	**<0.5**	**6.4**	**3.1**	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL	**62.0**	**63.0**	<0.2	<0.2	**8.7**	**12.0**	**20.0**	**50 RC**	**1.9**	**1.0**	**1.3**	<0.2	<0.2	**6.1**	<1.0	<0.2	**1.9**	**1.2**	**1.4**	**0.7**	<0.2	<0.2
o-Xylene	ug/L	--		--		**1.1**	**1.2**	<0.2	<0.2	**51**	**60**	**50 RC**	**40 RC**	**88**	<0.2	<0.2	<0.2	<0.2		<1.0	<0.2	**74**	**<0.2**	**68**	**46**	<0.2	<0.2
p&m-Xylene	ug/L	--		--		**1.4**	**1.4**	<0.3	<0.3	**98**	**100**	**90 RC**	**70 RC**	**97**	<0.3	<0.3	<0.3	<0.3	**0.3**	<1.0	<0.3	**120**	**<0.3**	**75**	**57**	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL	<0.5	<0.5	<0.5	<0.5	**149**	<0.5	**140 RC**	**110**	**185**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	**194**	**<0.5**	**143**	**103**	<0.5	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

??? - Results of consecutive sampling events diverge more than 100 x

J - The analyte positively identified, below the report level, estimated

QR - Result estimated

RC - Report level was changed due to sample dilution

* - due to new research, the MDH no longer recommends the HRL value - review pending

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 2
Groundwater Analytical Results - Platteville Formation Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

						Well Name:	W18	W20	W20	W20	W27	W27	W27	P 62	W101	W101	W101	W101-DUP	W120	W124	W131	W131	W131	W132
						CWI Name:																		
						MN Unique Well No.:	00216046	00216048	00216048	00216048	00216052	00216052	00216052	00227948	00149711	00149711	00149711	00149711	00165576	00165579	00165586	00165586	00165586	00165587
						Aquifer:	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville
						STS Sample ID:	W18							P 62						W124				W132
						MDH Sample No:	200514048		200610318	200710989			200710983	200514034		200610319	200710982	200710997	200710987	200514035		200610301	20070969	200514033
						Sample Date:	6/3/2005	5/2/2005	5/2/2006	5/7/2007	5/2/2005	5/2/2005	5/7/2007	6/2/2005	5/2/2005	5/2/2006	5/7/2007	5/7/2007	5/7/2007	6/2/2005	5/3/2005	5/3/2006	5/8/2007	6/2/2005
						Notes:	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																			
Benzene	ug/L	5	HRL	5	MCL		**6.1**	**0.9**	**0.5**	**0.4**	39.0	36.0	23.0	**0.3**	13.0	8.0	6.3	6.5	**5.1**	<0.2	<0.2	<0.2	<0.2	**1.4**
n-Butylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--			<0.1	**0.1**	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.3	0.2	**0.18 J**	**0.18 J**	<0.2	**0.6**	<0.2	<0.2	<0.2	**0.3**
1,2-Dichloroethane	ug/L	4	HRL	5	MCL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.6**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL		<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.5	<0.2	<0.2	<0.2	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL		**7.2**	**1**	**0.9**	**0.4**	<0.2	**0.1 J**	<0.2	**0.8**	**0.8**	**18**	**19**	**32**	**110 RC**	<0.2	**0.3**	<0.2	**0.18 J**	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL		**11**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.2**	**1.8**	**8.4**	**7.5**	**11**	**12**	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--			<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<1.0
Dichlorofluoromethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL		<0.5	<0.5	<0.5	<0.5	**15**	**11**	**9.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--			<0.5	<0.5	<0.5	<0.5	**2.2**	**1.8**	**2.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--			<1.0	**2.5**	**1.5**	**<1.0**	**22**	**5.3**	**5.9**	<1.0	**29**	**0.6 J**	<1.0	<1.0	**2.0**	<1.0	**6.2**	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	**0.5**	**0.3 J**	**0.47 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL		<0.2	**5.1**	**0.9**	**<0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.6**	<0.2	**12**	**0.3**	**1.9**	<0.2
Tetrahydrofuran	ug/L	--		--			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL		**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	**0.30 J**	<0.5	<0.5	<0.5	**0.19 J**	**0.17 J**	**0.15 J**	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL		**0.6**	**2.9**	**1.3**	**0.3**	<0.1	**0.1**	<0.1	<0.1	<0.1	**0.2**	**0.1**	**0.2**	**1.3**	<0.1	**2.7**	**0.2**	**0.7**	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	**0.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL		**3.8**	**0.4**	**0.1 J**	**0.2**	<0.2	<0.2	<0.2	**0.2**	**0.6**	**2.0**	**2.5**	**3.6**	**33.0**	<0.2	<0.2	<0.2	<0.2	**0.7**
o-Xylene	ug/L	--		--			<0.2	<0.2	<0.2	<0.2	**3**	**1.4**	**1.1**	<0.2	**0.7**	**0.4**	**<0.2**	**<0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--			<0.3	<0.3	<0.3	<0.3	**1.1**	**0.5**	**0.6**	<0.3	**0.5**	**0.3**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	**1.9**	**1.7**	<0.5	<0.5	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

??? - Results of consecutive sampling events diverge more than 100 x
J - The analyte positively identified, below the report level, estimated
QR - Result estimated
RC - Report level was changed due to sample dilution
QF - Result estimated (spike recoveries did not meet QC criteria)
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 2
Groundwater Analytical Results - Platteville Formation Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

Well Name:						W143	W143	W143	W421	W421	W421	W421	W424	W426	W426D	W426	W426	W428	W428	W428	W429	W429	W429
CWI Name:									W421 - U.S.G.S. WELL W-121														
MN Unique Well No.:						00216051	00216051	00216051	00434044	00434044	00434044	00434044	00439809	00439812	00439812	00439812	00439812	00439810	00439810	00439810	00439724	00439724	00439724
Aquifer:						Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville
STS Sample ID:									SLP 421				W424								W429	W429	W429
MDH Sample No:							200610305	200710971	200432996		200610296	200710964	200514028			200611312	200710974		200610302	200710991	200514031	200514031	200514031
Sample Date:						5/3/2005	5/3/2006	5/8/2007	12/9/2004	5/3/2005	5/3/2006	5/8/2007	6/2/2005	5/2/2005	5/2/2005	5/8/2006	5/9/2007	5/3/2005	5/3/2006	5/8/2007	6/2/2005	6/2/2005	6/2/2005
Notes:						ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	Discrete Sample, MS Sample	Discrete Sample, MSD Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																			
Benzene	ug/L	5	HRL	5	MCL	**1.1**	**12**	**0.6**	**28.0**	**32.0**	**25.0**	**29.0**	<0.2	**0.8**	**0.8**	<1.0	**0.7**	**0.2**	**0.4**	**0.16 J**	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	**0.5**	<0.5	<0.5	**0.48 J**	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	**0.1**	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--		<0.2	**1.7**	<0.2	**0.3**	**3.9**	**0.3**	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL	<0.2	**1.7**	<0.2	**2.3**	<0.2	**6.6**	**9.3**	<0.5	<0.2	<0.2	<1.0	<0.2	<0.2	<0.5	<0.2	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL	**14**	**400 RC**	**23**	410	810.0	1500 RC	2500 RC	<0.2	<0.2	**0.2**	<1.0	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL	**4.7**	**150 RC**	**9.3**	**260.0**	**330.0**	**290 RC**	**210 RC**	<0.1	**0.1**	**0.1**	<1.0	**0.2**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--		<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL	<0.5	**3.2**	<0.5	**31**	**31**	<0.5	**33**	<0.5	**13**	**12**	**6.2**	**12**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--		<0.5	<0.5	<0.5	**4.8**	**5**	**4.5**	**5.6**	<0.5	**4.3**	**4.3**	**1.9**	**3.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	**0.35 J**	<0.5	**1.2**	**1.1**	<1.0	**0.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--		**6.3**	**3.9**	<1.0	**360.0**	**230**	**450 RC**	**37 QF**	<1.0	**9.6**	**8.9**	**4.1**	**14 QR**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	**2.1**	**1.6**	**1.5**	**1.7**	<0.5	**1.6**	**1.6**	**0.8 J**	**1.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL	**22.0**	**37.0**	**10.0**	42.0	27.0	1.4	0.2	<0.2	<0.2	<0.2	<1.0	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1.0	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL	<0.5	**0.8**	**0.14 J**	**2.5**	**2**	**2.2**	**2.3**	**32**	**0.6**	**0.7**	**0.5 J**	**0.6**	<0.5	<0.5	**0.15 J**	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL	**93.0**	**2200 RC**	**108.0**	760.0	259.0	3.9	1.8	<0.1	<0.1	<0.1	<1.0	**0.3**	<0.1	**0.06 J**	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	**5.9**	**7.8**	**3.9**	**6.0**	<0.5	**13**	**12**	**4.4**	**5.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	**2.4**	**3.2**	**1.8**	**3.5**	<0.5	**8.5**	**8.3**	**2.9**	**3.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL	**2.4**	**42.0**	**1.7**	100	150.0	160 RC	340 RC	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-Xylene	ug/L	--		--		<0.2	**0.7**	<0.2	**16**	**20**	**17**	**22**	<0.2	**6.5**	**6.4**	**2.9**	**4.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--		<0.3	**0.6**	<0.3	**14**	**13**	**13**	**18**	<0.3	**3.5**	**3.4**	**2**	**2.5**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL	<0.5	**1.3**	<0.5	**30**	<0.5	**30**	**40**	<0.5	<0.5	<0.5	**4.9**	**6.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

??? - Results of consecutive sampling events diverge more than 100 x
J - The analyte positively identified, below the report level, estimated
QR - Result estimated
RC - Report level was changed due to sample dilution
QF - Result estimated (spike recoveries did not meet QC criteria)
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 2
Groundwater Analytical Results - Platteville Formation Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

						Well Name:	W431	W431	W431	W433	W433FB	W433FB	W433	W434	W434	W434	W434	W437	W437	W437	W438	W438	W438	D. BATTLE	D. SJOLANDER	R. & T. RATHMANNER
						CWI Name:								W434- ST. LOUIS PARK B-D										--	--	LLOYD NELSON
						MN Unique Well No.:	00462935	00462935	00462935	00462933	00462933	00462933	00462933	00463012	00463012	00463012	00463012	00498917	00498917	00498917	00498919	00498919	00498919	00223763	00218181	00206459
						Aquifer:	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platteville	Platt/St. Peter
						STS Sample ID:								SLP 434										6008 Kaymar Dr.	4540 Vandervork Ave	4366 Thielen Ave
						MDH Sample No:		200610303	200710968			200610297	200710965	200432997			200710963		200610316	200710984			200710970	200531631	200531632	200532481
						Sample Date:	5/3/2005	5/3/2006	5/8/2007	5/2/2005	5/2/2005	5/3/2006	5/8/2007	12/9/2004	5/3/2005	5/3/2006	5/8/2007	5/2/2005	5/2/2006	5/7/2007	5/3/2005	5/3/2006	5/8/2007	11/19/2005	11/21/2005	11/23/2005
						Notes:	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																						
Benzene	ug/L	5	HRL	5	MCL		**4.6**	**3.6**	**4.5**	**31.0**	<0.2	<0.2	**35.0**	**23.0**	**24.0**	**16.0**	**16.0**	**2.4**	**1.8**	**1.5**	**15.0**	**14.0**	**15.0**	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--			<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--			<0.2	**0.4**	**0.5**	<0.2	<0.2	**0.4**	<0.2	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	**0.2 J**	**0.2**	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5	MCL		<0.2	**0.4**	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL		<0.2	<0.2	**0.8**	<0.2	<0.2	**5.5**	<0.2	**6.5**	**11.0**	**9.3**	**6.0**	<0.2	**2.8**	1.2	**3.7**	**3.7**	**5.5**	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL		**89.0**	**22**	**180 RC**	**1**	<0.2	**620 RC**	**150 RC**	**290.0**	**1100.0**	**1700 RC**	**1200 RC**	**86**	**980 RC**	**460 RC**	**190.0**	**300 RC**	**366.0**	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL		**41**	**14**	**51**	**3**	<0.1	**46**	**27**	**43**	**63**	**56**	**54**	**2.5**	**3.4**	**3.9**	**18**	**24**	**41**	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorofluoromethane	ug/L	--		--			**5.7**	**5.1**	**4.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	<0.5	**2.5**	<0.5	**0.6**	**0.30 J**	**13**	**9.7**	**6.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	**1.2**	**0.4 J**	**0.44 J**	**8.3**	**4.7**	**6.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.4**	**0.7**	**1.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--			<1.0	<1.0	**0.763 J QF**	**3.4**	**1.3**	<1.0	**2.0 QF**	**8.9**	<1.0	**1.7**	**1.1 QF**	**4100.0**	**3600.0**	**59**	**1.6**	**<1.0**	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.5**	**1.5**	**2.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL		<0.2	<0.2	<0.2	<0.2	<0.2	**0.9**	**0.14 J**	**1200.0**	**760.0**	**39.0**	**7.5**	**13000.0**	**3900.0**	**6500 RC**	**3.6**	**1.3**	**0.2**	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL		<0.5	<0.5	**0.16 J**	<0.5	<0.5	**0.6**	**0.7**	<0.5	**0.7**	**<0.5**	**0.22 J**	**0.9**	0.7	**0.6**	<0.5	<0.5	**0.14 J**	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL		**7.4**	**1.0**	**3.0**	**0.4**	<0.1	**25**	<0.1	**900.0**	**680.0**	**56.0**	**13**	**2600.0**	**4200.0**	**3600 RC**	**200.0**	**150 RC**	**71**	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**24**	**32**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**19**	**6.9**	**14**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL		**9.1**	**9.7**	**12.0**	**0.8**	<0.2	**120.0**	**300 RC**	**86.0**	**110.0**	**91 RC**	**170 RC**	**8.6**	**40.0**	**21.0**	**36.0**	**31.0**	**36.0**	<0.2	<0.2	<0.2
o-Xylene	ug/L	--		--			<0.2	<0.2	<0.2	<0.2	<0.2	**0.2 J**	<0.2	<0.2	<0.2	<0.2	<0.2	**7.4**	**4.4**	**3.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--			<0.3	<0.3	<0.3	<0.3	<0.3	**0.5**	<0.3	**0.6**	**0.8**	<0.3	**0.4**	**14**	**8.1**	**6.7**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	**0.7**	<0.5	**0.6**	**0.8**	<0.5	**0.4**	**24.4**	**12.5**	**9.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.5	- framed cell - detected concentration exceeds drinking water criteria
18	- framed cell - detected concentration exceeds Federal drinking water criteria
135	- increasing trend in concentrations
37	- decreasing trend in concentrations

??? - Results of consecutive sampling events diverge more than 100 x
J - The analyte positively identified, below the report level, estimated
QR - Result estimated
RC - Report level was changed due to sample dilution
QF - Result estimated (spike recoveries did not meet QC criteria)
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 3
Groundwater Analytical Results - St. Peter Sandstone Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

				Well Name:	SLP3	SLP3	SLP3	SLP3	PERRY A & CINDY L WITKIN	W14	W21	W24	W24	W24	W122	W122	W122	W122	W133	W133	W133	W133
				CWI Name:	ST. LOUIS PARK 3	ST. LOUIS PARK 3	ST. LOUIS PARK 3	ST. LOUIS PARK 3	J. J. LIEBENBERG													
				MN Unique Well No.:	00206440	00206440	00206440	00206440	00203620	00114472	00216049	00160018	00160018	00160018	00165578	00165578	00165578	00165578	00165588	00165588	00165588	00165588
				Aquifer:	Platt.-St. Peter	St. Peter	St. Peter	St. Peter	St. Peter-PDCJ	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter
				STS Sample ID:					EDINA PRI #1	W14	W21											
				MDH Sample No:	200423868	200423868	200610299	200710992	200429907	200514032	200514046	200610292	200712749	200811238			200710996	200811246			200710981	200811245
				Sample Date:	8/16/2004	5/9/2005	5/4/2006	5/10/2007	10/22/04	6/2/2005	6/3/2005	5/1/2006	5/22/2007	5/5/2008	5/9/2005	5/4/2006	5/10/2007	5/6/2008	5/9/2005	5/4/2006	5/10/2007	5/6/2008
				Notes:	City of St. Louis Park Data	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Discrete Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																		
Benzene	ug/L	5	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.5**	**0.4**	**0.4**	<0.2	**0.2 J**	**0.2**	<0.2	**0.4**	**0.4**	**0.3**	<0.2
n-Butylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloromethane	ug/L	--		--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.555 J**	<1.0
1,1-Dichloroethane	ug/L	70	HRL	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.4**	**0.6**	**0.6**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.3**	**0.4**	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7 MCL	<0.5	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL	70 MCL	<0.2	<0.2	<0.2	**0.2**	<0.2	<0.2	<0.2	**8.2**	**7**	**7.5**	<0.2	<0.2	<0.2	<0.2	**5**	**5.4**	**3.8**	**0.3**
trans-1,2-Dichloroethene	ug/L	100	HRL	100 MCL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.7**	**0.5**	**0.5**	<0.1	<0.1	<0.1	<0.1	**1.5**	**1.8**	**1.1**	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.1	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700 MCL	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5 MCL	<0.2	<0.2	<0.2	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**1.7**	**11**	**0.6**	<0.2
Tetrahydrofuran	ug/L	--		--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000 MCL	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	**0.14 J**	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.12 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5 MCL	<0.1	<0.1	**0.07 J**	**0.1**	<0.1	<0.1	<0.1	**0.2**	**0.3**	**0.3**	<0.1	**0.05 J**	<0.1	<0.1	**0.8**	**18**	**0.6**	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2 MCL	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.9**	**0.8**	**1.4**	<0.2	<0.2	<0.2	<0.2	**2.8**	**2.1**	**3.3**	**0.15 J**
o-Xylene	ug/L	--		--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000 MCL	<0.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated

RC - Report level was changed due to sample dilution

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 3
Groundwater Analytical Results - St. Peter Sandstone Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

				Well Name:	W409	W409	W409	W410	W410	W410	W411	W411	W411	W411	W412	W412D	W412	W412	W412	R. & A. PERRIN	J. BLOOM	J. BLOOM	J. REICHERT	P. & R. LARSON
				CWI Name:				W-410 (USGS W-24)	W-410 (USGS W-24)	W-410 (USGS W-24)										WILLIAM JESUUP	JIM BLOOM	JIM BLOOM	ROY HAWKINSON	JOHN ANDERSON
				MN Unique Well No.:	00432036	00432036	00432036	00434042	00434042	00434042	00432035	00432035	00432035	00432035	00432034	00432034	00432034	00432034	00432034	00206590	00203130	00203130	00206488	00206548
				Aquifer:	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter	St. Peter
				STS Sample ID:																5608 Highland Rd	6825 Valley View Rd	6825 Valley View Rd	4800 Bywood St. W.	5524 Glengarry Pkwy
				MDH Sample No:		200610306	200710967	200424655	200610294	200712750		200610310	200710995	200811244			200610309	200710994	200811243	200532477	200532478	200532478	200532480	200531633
				Sample Date:	5/3/2005	5/3/2006	5/8/2007	8/23/2004	5/1/2006	5/22/2007	5/9/2005	5/4/2006	5/10/2007	5/6/2008	5/9/2005	5/9/2005	5/4/2006	5/10/2007	5/5/2008	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/19/2005
				Notes:	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	City of St. Louis Park Data	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample, duplicate	Spigot Water Sample	Spigot Water Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																				
Benzene	ug/L	5	HRL	5 MCL	**19.0**	**1.8**	**6.7**	0.9	1.6	2.8	0.2	0.3	0.4	0.2	1.1	1.1	1.0	0.16 J	0.1 J	<0.2	<0.2	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		--	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--	<0.1	<10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloromethane	ug/L	--		--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	ug/L	70	HRL	--	<0.2	<10	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	0.3	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5 MCL	<0.2	<10	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7 MCL	<0.2	<10	<0.2	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL	70 MCL	**2.4**	**1.3**	**1.3**	0.6	2.4	3.5	**0.5**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.5	0.6	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL	100 MCL	**9.1**	3.6	2.7	0.4	1.0	1.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--	<0.1	<10	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.4 J**	**0.6**	**0.4 J**	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700 MCL	**21**	**1.8**	**7.7**	0.4	1.3	3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--	**1.7**	<10	**0.7**	<0.5	<0.5	**0.28 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5	HRL	5 MCL	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--	<1.0	<10	**1.5**	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--	<0.5	<10	**0.25 J**	<0.5	<0.5	**0.21 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100 MCL	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5 MCL	<0.2	**0.3**	<0.2	**0.4**	**0.3**	**0.3**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.11 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000 MCL	0.7	0.4 J	0.28 J	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200 MCL	<0.2	<10	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5 MCL	**0.4**	**4.7**	<0.1	**3.2**	**2.3**	**2.6**	<0.1	<0.1	**0.055 J**	<0.1	<0.1	<0.1	**0.1 J**	**0.083 J**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--	**3.4**	<10	<0.5	<0.5	<0.5	**0.43 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--	**1.3**	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2 MCL	**0.5**	**0.2 J**	**0.3**	<0.5	**0.1 J**	**0.17 J**	<0.2	**2.6**	**1.0**	**1.1**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-Xylene	ug/L	--		--	**7.7**	**0.8**	**2.4**	<0.2	<0.2	**0.6**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--	**1.4**	**0.5**	**0.3**	<0.2	<0.3	**0.12 J**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000 MCL	**9.1**	**1.3**	**2.7**	<0.4	<0.5	**0.72**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

0.5 - framed cell - detected concentration exceeds drinking water criteria

18 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated

RC - Report level was changed due to sample dilution

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 4
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project200703587

				Well Name:	W W WOLD & L M WOLD	PERRY A & CINDY L WITKIN	Mike Kelly 952-922-9012	Mike Kelly 952-922-9012	PETER M & ELLEN B KAISER	JASON F BROWN	Peter M Schimit/Kathi J. Wright	Peter M Schimit/Kathi J. Wright	ED2	ED2	ED2	ED2	ED3	ED3	ED4	ED6	ED7	ED7	ED7	ED7	ED7	ED7
				CWI Name:	JOHN ANDERSON	J. J. LIEBENBERG	EDINA COUNTRY CLUB NO.1	EDINA COUNTRY CLUB NO.1	FRED SMITH	JOE ELIASON	LEW BONN	LEW BONN	EDINA 2	EDINA 2	EDINA 2	EDINA 2	EDINA 3	EDINA 3	EDINA 4	EDINA 6	EDINA 7	EDINA 7	EDINA 7	EDINA 7	EDINA 7	EDINA 7
				MN Unique Well No.:	00206547	00203620	00232315	00232315	00206502	00206599	00223769	00223769	00208399	00208399	00208399	00208399	00240630	00240630	00200561	00200564	00206474	00206474	00206474	00206474	00206474	00206474
				Aquifer:	Drift-OPCJ	St. Peter-OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ
				STS Sample ID:	PRI. #4	EDINA PRI #1	EDINA CC #1	EDINA CC #1 - Dup	Edina Pri #5	EDINA PRI #2	EDINA PR#3	EDINA PR#3 - Dup	EDINA #2	EDINA #2 - Dup			EDINA #3		EDINA #4	EDINA #6		ED7#1 360'	ED7#2 400'	ED7#6 520'	ED7#3 450'	ED7#4 500'
				MDH Sample No:	200430253	200429907	200430525	200430526	200431474	200429907	200430251	200430252	200429900	200429901	200711648	200810155	200430255	200611316	200430254	200429904		200501036	200501037	200501041	200501038	200501039
				Sample Date:	10/27/04	10/22/04	11/01/04	11/01/04	11/10/04	10/22/04	10/27/04	10/27/04	10/22/04	10/22/04	05/15/07	05/01/08	10/27/04	05/09/06	10/27/04	10/22/04	01/26/04	01/20/05	01/20/05	01/20/05	01/20/05	01/20/05
				Notes:	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	Spigot Water Sample	Spigot Water Sample, Duplicate	ENSR Split Sample (E2)	ENSR Split Sample (E2)	Spigot Water Sample	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Discrete Sample	Discrete Sample	Discrete Sample, Duplicate	Discrete Sample	Discrete Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																						
Benzene	ug/L	5	HRL	5 MCL	<0.2	<0.2	**0.4**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.11 J	**0.3**	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	**0.8**	**0.8**	**0.8**	**0.8**
Bromodichloromethane	ug/L	6	HRL	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--	<0.2	<0.2	**0.4**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.1 J**	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	**0.6**	**0.6**	**0.6**	**0.6**
1,2-Dichloroethane	ug/L	4	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70 MCL	<0.2	<0.2	**16**	**16**	<0.2	<0.2	<0.2	<0.2	**1.8**	**2.0**	**3.7**	**9.9**	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	**39**	**38**	**37**	**37**
trans-1,2-Dichloroethene	ug/L	100	HRL	100 MCL	<0.1	<0.1	**0.7**	**0.7**	<0.1	<0.1	<0.1	<0.1	<0.1	**<0.1**	**0.2**	**0.5**	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	**3.7**	**3.3**	**3.2**	**3.4**
Dichlorodifluoromethane	ug/L	1000	HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.28 J	**<1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--	<0.5	<0.5	**1.0**	**1.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	**1.7**	**1.6**	**1.7**	**1.7**
Ethylbenzene	ug/L	700	HRL	700 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	5	HRL	5 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1.0	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**3.3**	**0.8**	**0.9**	**1.4**	**1.9**
1,1,1-Trichloroethane	ug/L	200	HRL	200 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/L	3	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5 MCL	<0.1	<0.1	**1.2**	**1.1**	<0.1	<0.1	<0.1	<0.1	**0.2**	**0.2**	**0.3**	**0.5**	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	**2.3**	**2.2**	**2.3**	**2.2**
1,2,4-Trimethylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2 MCL	<0.2	<0.2	**2.0**	**2.1**	<0.2	<0.2	<0.2	<0.2	**0.4**	**0.4**	**0.6**	**1.4**	<0.2	<1.0	<0.2	<0.2	**3.9**	<0.2	**3.3**	**3.2**	**3.4**	**3.5**
o-Xylene	ug/L	--		--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

2.0	- framed cell - detected concentration exceeds MN drinking water criteria
2.1	- framed cell - detected concentration exceeds Federal drinking water criteria
135	- increasing trend in concentrations
37	- decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated
QR - Did not meet QC acceptance criteria - result is estimated
RC - Report level was changed due to sample dilution
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 4
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project200703587

				Well Name:	ED13	ED13	ED13	ED13-DUP	ED13	ED15	ED15	ED15	ED15	EDINA 16	ED17	ED TEST	ED TEST	ED TEST	ED TEST	MILASTAR CORPORAT. (W29)	MILASTAR CORPORAT. (W29)	MILASTAR CORPORAT. (W29)	MILASTAR CORPORAT. (W29)	HOPKINS 4	HOPKINS 5
				CWI Name:	EDINA 13	EDINA 13	EDINA 13	EDINA 13	EDINA 13	EDINA 15	EDINA 15	EDINA 15	EDINA 15	EDINA 16	EDINA 17					FLAME INDUSTRIES	FLAME INDUSTRIES	FLAME INDUSTRIES	FLAME INDUSTRIES	HOPKINS 4	HOPKINS 5
				MN Unique Well No.:	00203613	00203613	00203613	00203613	00203613	00207674	00207674	00207674	00207674	00203101	00200914	00748656	00748656	00748656	00748656	00206454	00206454	00206454	00206454	00204068	00204570
				Aquifer:	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ
				STS Sample ID:	EDINA #13					EDINA #15				EDINA 16	EDINA #17	ED TEST #1 280'	ED TEST #1 330'	ED TEST #1 400'	ED TEST #1 440'	FI 1	FI 2			HOPKINS 4	HOPKINS 5
				MDH Sample No:	200429903	200611314	200711645	200711646	200810163	200429907		200711647	200810157	200531627	200430256	200706710	200706712	200706714	200706716	200432021	200432022	200612185	200711642	200531623	200531626
				Sample Date:	10/22/04	05/09/06	05/15/07	05/15/07	05/01/08	10/22/04	05/09/06	05/15/07	05/01/08	11/10/05	10/27/04	04/05/07	04/05/07	04/05/07	04/05/07	11/19/04	11/19/04	05/16/06	05/14/07	11/10/05	11/10/05
				Notes:	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample (E13)	ENSR Split Sample (W13DUP)	ENSR Split Sample (W13DUP)	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample (E15)	ENSR Split Sample (E15)	Spigot Water Sample	Spigot Water Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample	Spigot Water Sample	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																					
Benzene	ug/L	5	HRL	5 MCL	<0.2	<1.0	**0.18 J**	**0.19 J**	**0.2**	<0.2	<1.0	**0.11 J**	**0.1 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.9**	**0.9**	<1.0	**0.14 J**	<0.2	<0.2
Bromodichloromethane	ug/L	6	HRL	--	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--	<0.2	<1.0	**0.16 J**	**0.16 J**	**0.2**	**1.3**	**1.3**	**1.3**	**1.9**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**0.5**	**0.5**	<1.0	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5 MCL	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7 MCL	<0.5	<1.0	<0.2	<0.2	<0.2	**1.0**	**1.0**	**0.8**	**0.9**	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	**0.5**	<0.5	<1.0	<0.2	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70 MCL	**0.8**	**3.0**	**3.6**	**3.8**	**5.4**	**7.1**	**5.7**	**6.6**	**8.3**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**47**	**46**	**2.9**	**3.1**	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL	100 MCL	<0.1	<1.0	**0.2**	**0.2**	**0.3**	**0.4**	<1.0	**0.3**	**0.4**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**2.4**	**2.4**	**<1.0**	**0.2**	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--	<1.0	<1.0	**0.22 J**	**0.23 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**1.2**	<1.0	<0.1	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	**0.3 J**	<0.5	<1.0	**0.26 J**	**0.3 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**2.4**	**2.4**	**0.5 J**	**0.6**	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700 MCL	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	5	HRL	5 MCL	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Styrene	ug/L	--		100 MCL	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5 MCL	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--	<10	<1.0	<10	<10	<10	<10	<1.0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1.0	<10	<10	<10
Toluene	ug/L	1000	HRL	1000 MCL	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	**0.3 J**	**0.2 J**	**0.2 J**	**0.2 J**	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200 MCL	<0.2	<1.0	<0.2	<0.2	<0.2	**1.1**	**0.7 J**	**0.8**	**0.6**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	ug/L	3	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5 MCL	**0.1**	<1.0	**0.4**	**0.4**	**0.4**	**1.9**	**2.0**	**1.7**	**2.1**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**2.9**	**2.7**	**0.9 J**	**0.9**	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2 MCL	<0.2	<1.0	**0.5**	**0.4**	**0.6**	**0.9**	**0.6 J**	**0.6**	**0.8**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**5.3**	**5.2**	**0.95 J**	**0.8**	<0.2	<0.2
o-Xylene	ug/L	--		--	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--	<0.3	<1.0	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000 MCL	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5

Notes:

Bold face - detect

2.0 - framed cell - detected concentration exceeds MN drinking water criteria

2.1 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated
QR - Did not meet QC acceptance criteria - result is estimated
RC - Report level was changed due to sample dilution
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 4
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project200703587

				Well Name:	HOPKINS 6	HOPKINS 6	HOPKINS 6	HOPKINS 6	MINNETONKA 6	MINNETONKA 6	MINNETONKA 13	MINNETONKA 13A	SLP4	SLP4	SLP4	SLP4	SLP4-DUP	SLP6	SLP6	SLP6	SLP6	SLP6	SLP6
				CWI Name:	HOPKINS 6	HOPKINS 6	HOPKINS 6	HOPKINS 6	MINNETONKA 6	MINNETONKA 6	MINNETONKA 13	MINNETONKA 13A	ST. LOUIS PARK 4	ST. LOUIS PARK 4	ST. LOUIS PARK 4	ST. LOUIS PARK 4	ST. LOUIS PARK 4	ST. LOUIS PARK 6	ST. LOUIS PARK 6	ST. LOUIS PARK 6	ST. LOUIS PARK 6	ST. LOUIS PARK 6	ST. LOUIS PARK 6
				MN Unique Well No.:	00112228	00112228	00112228	00112228	00204054	00204054	00205165	00132263	00200542	00200542	00200542	00200542	00200542	00206457	00206457	00206457	00206457	00206457	00206457
				Aquifer:	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ
				STS Sample ID:	HOPKINS 6	HOPKINS 10					MTKA 13	MTKA 13A							SLP #6				
				MDH Sample No:	200531628	200531624	200612186	200810150	200612187	200810153	200531622	200531625	200423866	200612182	200711644		200810158	200423867	200431473		200612188	200711643	200810163
				Sample Date:	11/10/06	11/10/05	05/16/06	04/30/08	05/16/06	04/30/08	11/10/05	11/10/05	8/16/2004	5/16/2006	5/14/2007	5/1/2008	5/1/2008	8/16/2004	11/10/04	5/10/2005	5/16/2006	5/14/2007	4/30/2008
				Notes:	Spigot Water Sample	Spigot Water Sample, Duplicate	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample	City of St. Louis Park Data	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	City of St. Louis Park Data	Spigot Water Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																			
Benzene	ug/L	5	HRL	5 MCL	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	**0.4**	**0.4**	<1.0	**0.8**	**0.8**	**0.9**	**1.0**	**1.0**	**1.5**
Bromodichloromethane	ug/L	6	HRL	--	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
n-Butylbenzene	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroethane	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroform	ug/L	60	HRL	--	<0.1	<0.1	<1.0	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	**0.6**	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	**0.10 J**	**0.1 J**	<1.0	**1.1**	**1.2**	**1.1**	**1.2**	**1.1**	**1.4**
1,2-Dichloroethane	ug/L	4	HRL	5 MCL	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	**0.1 J**	<1.0	<0.2	<0.2	<0.2	<1.0	**0.3**	**0.4**
1,1-Dichloroethene	ug/L	6	HRL	7 MCL	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	**0.11 J**	<1.0	<1.0	<0.5	<0.5	<0.2	**0.5 J**	**0.37 J**	**0.7**
cis-1,2-Dichloroethene	ug/L	70	HRL	70 MCL	**1.0**	**0.9**	**1.2**	**0.3**	<1.0	**0.4**	<0.2	<0.2	<0.2	**3.5**	**5.4**	**8.7**	**0.7**	**22**	**24**	**28**	**31**	**35**	**55**
trans-1,2-Dichloroethene	ug/L	100	HRL	100 MCL	**0.5**	**0.5**	**0.5 J**	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	**0.5 J**	**0.6**	**0.7**	<1.0	**1.6**	**1.4**	**1.4**	**1.8**	**2.2**	**2.5**
Dichlorodifluoromethane	ug/L	1000	HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.6**	<1.0	**0.273 J**	<1.0	**0.5 J**	**1.4**	**1.3**	**1.3**	**1.1**	**0.58 J**	<0.5
Dichlorofluoromethane	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	**1.4**	**1.5**	**1.2**	**1.2**	**1.2**	**2.6**	**2.8**	**2.5**	**3.0**	**2.9**	**3.8**
Ethylbenzene	ug/L	700	HRL	700 MCL	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.2	<1.0	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5	<1.0	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	5	HRL	5 MCL	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Styrene	ug/L	--		100 MCL	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5 MCL	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--	<10	<10	<1.0	<10	<1.0	<10	<10	<10	<10	<1.0	<10	<10	<10	<10	<10	<10	<1.0	<10	<10
Toluene	ug/L	1000	HRL	1000 MCL	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.2	<1.0	<0.5	<0.5	<0.2	<0.2	<0.5	<0.5	<1.0	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200 MCL	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
1,1,2-Trichloroethane	ug/L	3	HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5 MCL	<0.1	<0.1	<1.0	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	**4.2**	**3.7**	**3.4**	<0.1	**6.6**	**7.2**	**7**	**7.8**	**6.9**	**9.5**
1,2,4-Trimethylbenzene	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2 MCL	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	**1.5**	**1.9**	**1.5**	**1.9**	**1.5**	**4.4**	**4.9**	**5.1**	**5.9**	**3.7**	**6.8**
o-Xylene	ug/L	--		--	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
p&m-Xylene	ug/L	--		--	<0.3	<0.3	<1.0	<0.3	<1.0	<0.3	<0.3	<0.3	<0.2	<0.2	<0.3	<0.3	<0.2	<0.2	<0.3	<0.3	<1.0	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000 MCL	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.4	<0.4	<0.5	<0.5	<0.4	<0.4	<0.5	<0.5	<1.0	<0.5	<0.5

Notes:

Bold face - detect

2.0 - framed cell - detected concentration exceeds MN drinking water criteria

2.1 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated
QR - Did not meet QC acceptance criteria - result is estimated
RC - Report level was changed due to sample dilution
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 4
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project200703587

					Well Name:	SLP10	SLP10	SLP10	SLP10	SLP10T	SLP10	SLP14	SLP16	W23	W23	W23	W23	W23	W29	W33	W33R	W33R
					CWI Name:	ST. LOUIS PARK 10	ST. LOUIS PARK 10	ST. LOUIS PARK 10	ST. LOUIS PARK 10	ST. LOUIS PARK 10	ST. LOUIS PARK 10	ST. LOUIS PARK NO.14	ST. LOUIS PARK NO. 16	REPUBLIC CREOSOTE DEEP W (W23)	REPUBLIC CREOSOTE DEEP W (W23)	REPUBLIC CREOSOTE DEEP W (W23)	REPUBLIC CREOSOTE DEEP W (W23)	REPUBLIC CREOSOTE DEEP W (W23)	FLAME INDUSTRIES	ROBINSON RUBBER CO.	ROBINSON RUBBER CO.	ROBINSON RUBBER CO.
					MN Unique Well No.:	00206442	00206442	00206442	00206442	00206442	00206442	00227965	00203187	00216050	00216050	00216050	00216050	00216050	00206454	00206449	00206449	00206449
					Aquifer:	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OSTP/OPDC	OSTP/OPDC	OSTP/OPDC
					STS Sample ID:									REP. CERO.	REP. CERO. 2							
					MDH Sample No:	200423865		200610290	200712747	200810159	200811242	200612178	200612179	200432992	200432993	200610291	200712748	200811239	200810161	200610293	200725301	200811241
					Sample Date:	8/16/2004	5/10/2005	5/1/2006	5/22/2007	5/1/2008	5/5/2008	5/15/2006	5/15/2006	12/9/2004	12/9/2004	5/1/2006	5/22/2007	5/5/2008	5/1/2008	5/1/2006	8/21/2007	5/5/2008
					Notes:	City of St. Louis Park Data	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample		ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																		
Benzene	ug/L	5	HRL	5	MCL	<0.2	<0.2	**0.4**	**0.4**	**<0.2**	**0.4**	<1.0	<1.0	**1.9**	**1.9**	**2.1**	**1.9**	**1.2**	<0.2	<1.0	<0.2	<0.2
Bromodichloromethane	ug/L	6	HRL	--		<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
n-Butylbenzene	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroethane	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroform	ug/L	60	HRL	--		<0.1	<0.1	<1.0	<0.1	0.1	<0.1	<1.0	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--		<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	**0.3**	**0.3**	**0.7**	**0.6**	**0.9**	**0.6**	<1.0	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5	MCL	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	<0.2	<0.2	**0.6**	**0.5**	**0.3**	<0.2	<1.0	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL	<0.5	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	<0.5	<0.5	**0.8**	**0.7**	**0.4 J**	<0.5	<1.0	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL	**0.7**	**0.4**	**1.8**	**2.2**	**0.3**	**2.0**	**5.6**	<1.0	**42**	**43**	**77.0**	**77.0**	**40.0**	**4.2**	<1.0	<0.2	**1.1**
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL	**0.3**	<0.1	**0.9**	**1.4**	**0.09 J**	**1.1**	**1.2**	<1.0	**2.4**	**2.5**	**5.0**	**4.1**	**1.9**	**0.2**	<1.0	<0.1	**0.09 J**
Dichlorodifluoromethane	ug/L	1000	HRL	--		<0.5	<0.1	<1.0	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0	<1.0	**1.1**	**1**	**0.7 J**	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	**2.1**	**2.1**	**3.4**	**3.3**	**1.6**	**0.3 J**	<1.0	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL	<0.2	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	5	HRL	5	MCL	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--		<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.9**	**<1.0**	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Styrene	ug/L	--		100	MCL	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	**3.3**
Tetrahydrofuran	ug/L	--		--		<10	<10	<1.0	<10	<10	<10	<1.0	<1.0	<10	<10	<1.0	<10	<10	<10	<1.0	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL	<0.2	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
1,1,2-Trichloroethane	ug/L	3	HRL	5	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL	<0.1	<0.1	**0.2**	**0.2**	<0.1	**0.2**	<1.0	<1.0	**1.2**	**1.2**	**2.4**	**1.7**	**0.9**	**0.6**	<1.0	<0.1	**1.3**
1,2,4-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL	<0.5	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	**4.4**	**4.8**	**7.9**	**7.0**	**3.8**	**0.7**	<1.0	<0.2	<0.2
o-Xylene	ug/L	--		--		<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2
p&m-Xylene	ug/L	--		--		<0.2	<0.3	<1.0	<0.3	<0.3	<0.3	<1.0	<1.0	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL	<0.4	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5

Notes:

Bold face - detect

2.0 - framed cell - detected concentration exceeds MN drinking water criteria

2.1 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated
QR - Did not meet QC acceptance criteria - result is estimated
RC - Report level was changed due to sample dilution
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 4
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project200703587

				Well Name:	THERMOTECH COMPANY	THERMOTECH COMPANY	W48	W48	W48	W48	W48	W48	W70	W119	W119	W119	W119	W119	W119	W119	W401	W401	W401
				CWI Name:	THERMOTECH	THERMOTECH 2	METHODIST HOSPITAL	METHODIST HOSPITAL	METHODIST HOSPITAL	METHODIST HOSPITAL	METHODIST HOSPITAL	METHODIST HOSPITAL	PARK THEATRE BLDG	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE	MEADOWBRK .GOLF COURSE			
				MN Unique Well No.:	00204574	227132	00216067	00216067	00216067	00216067	00216067	00216067	00200539	00216009	00216009	00216009	00216009	00216009	00216009	00216009	00453805	00453805	00453805
				Aquifer:	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ
				STS Sample ID:	THERMO 1202	THERMO 1202	Methodist #1	Methodist #2						MDW#1 280'	MDW#2 330'	MDW#3 380'	MDW#4 425'						
				MDH Sample No:	200531629	200603045	200431471	200431475		200610300	200710993	200810160	200612180	200501042	200501043	200501044	200501045		200612181	200711650	200611317	200711649	200810149
				Sample Date:	11/16/2005	2/10/2006	11/10/04	11/10/04	5/10/2005	5/4/2006	5/10/2007	5/1/2008	5/15/2006	01/20/05	01/20/05	01/20/05	01/20/05	5/10/2005	5/15/2006	5/15/2007	5/9/2006	5/15/2007	4/30/2008
				Notes:	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample	Spigot Water Sample, Duplicate	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	Discrete Sample	Discrete Sample	Discrete Sample	Discrete Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards																			
Benzene	ug/L	5	HRL	5	MCL	<0.2	<0.2	2.3	2.3	2.2	1.9	1.7	2.0	<1.0	<0.2	<0.2	<0.2	<0.2	2.1	1.9	1.3	<1.0	0.12 J	0.1 J
Bromodichloromethane	ug/L	6	HRL	--		0.3	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2
n-Butylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroethane	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Chloroform	ug/L	60	HRL	--		0.6	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0	1.8	1.7	1.7	1.7	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--		<0.2	<0.2	1	1	0.8	0.8	0.7	1.0	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	0.9 J	1.0	6.9	7.9	9.0
1,2-Dichloroethane	ug/L	4	HRL	5	MCL	<0.2	<0.2	1	1	0.9	0.9	0.8	1.0	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	0.5	<1.0	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL	<0.5	<0.5	1.4	1.3	<0.2	1.2	1.1	1.3	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	0.9 J	0.7	0.8 J	0.7	0.9
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL	<0.2	<0.2	100.0	110.0	124.0	100 RC	115.0	140 RC	<1.0	1.8	2.3	3.8	4.7	<1.0	95.0	74.0	18	7.8	10
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL	<0.1	<0.1	7.3	7.9	6.7	7.9	7.4	8.3	<1.0	0.2	0.2	0.4	0.4	<1.0	4.6	3.9	0.8 J	0.4	0.4
Dichlorodifluoromethane	ug/L	1000	HRL	--		<1.0	<1.0	3	2.9	2.6	1.3	1.2	1.8 QR	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	0.76 J	<1.0	<1.0	<0.1
Dichlorofluoromethane	ug/L	--		--		<0.5	<0.5	5.7	5.7	4.3	4	4	4.6	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	4.0	3.3	0.6 J	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	5	HRL	5	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	1.1	1.1	1.0	1.1	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--		<1.0	<1.0	<1.0	<1.0	<1.0	0.8 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Styrene	ug/L	--		100	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.17 J	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--		<10	<10	<10	<10	<10	<1.0	<10	<10	<1.0	98	91	97	95	<1.0	<10	<10	<1.0	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	13	8.8	8.7	6.5	0.7	<0.5	<0.5	<1.0	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	0.2	0.1 J
1,1,2-Trichloroethane	ug/L	3	HRL	5	MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL	<0.1	<0.1	6.3	6.3	5	5.4	4.7	5.1	<1.0	<0.1	0.1	0.2	0.2	5	4	3.3	2.7	2.7	2.4
1,2,4-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--		<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL	<0.2	<0.2	16.0	16.0	15.0	12.0	11.0	15.0	<1.0	0.2	<0.2	0.3	0.4	13.0	10.0	6.5	1.1	0.3	0.5
o-Xylene	ug/L	--		--		<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2
p&m-Xylene	ug/L	--		--		<0.3	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<1.0	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<0.3	<1.0	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5

Notes:

Bold face - detect

2.0 - framed cell - detected concentration exceeds MN drinking water criteria

2.1 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated
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* - due to new research, the MDH no longer recommends the HRL value
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MCL - Maximum Contaminant Level (USEPA)

Table 4
Groundwater Analytical Results - Prairie du Chien / Jordan Aquifer Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project200703587

					Well Name:	W402	W402	W402	W402	W403	W403	W403	W406
					CWI Name:	WAVELAND PARK W-402	WAVELAND PARK W-402	WAVELAND PARK W-402	WAVELAND PARK W-402	W403	W403	W403	MINIKAHDA CLUB NO.1
					MN Unique Well No.:	00508116	00508116	00508116	00508116	00439751	00439751	00439751	00200534
					Aquifer:	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ	OPCJ
					STS Sample ID:								
					MDH Sample No:		200612183	200711641	200810154	200612184	200711640	200810162	200612175
					Sample Date:	5/10/2005	5/16/2006	5/14/2007	4/30/2008	5/16/2006	5/14/2007	5/1/2008	5/15/2006
					Notes:	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards									
Benzene	ug/L	5	HRL	5	MCL	**0.5**	<1.0	**0.2**	**0.1 J**	<1.0	<0.2	<0.2	<1.0
Bromodichloromethane	ug/L	6	HRL	--		<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
n-Butylbenzene	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Chlorodibromoethane	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Chloroethane	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Chloroform	ug/L	60	HRL	--		<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0
1,1-Dichloroethane	ug/L	70	HRL	--		<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
1,2-Dichloroethane	ug/L	4	HRL	5	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
1,1-Dichloroethene	ug/L	6	HRL	7	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0
Dichlorodifluoromethane	ug/L	1000	HRL	--		<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0
Dichlorofluoromethane	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Ethylbenzene	ug/L	700	HRL	700	MCL	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Isopropylbenzene	ug/L	300	HRL*	--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
p-Isopropyltoluene	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	**1.0**	<0.5	<1.0
Methylene chloride (Dichloron	ug/L	5	HRL	5	MCL	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Naphthalene	ug/L	300	HRL	--		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Styrene	ug/L	--		100	MCL	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Tetrachloroethene	ug/L	5	HRL	5	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
Tetrahydrofuran	ug/L	--		--		<10	<1.0	<10	<10	<1.0	<10	<10	<1.0
Toluene	ug/L	1000	HRL	1000	MCL	<0.5	<1.0	0.12 J	**0.12 J**	<1.0	**0.096 J**	<0.5	<1.0
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
1,1,2-Trichloroethane	ug/L	3	HRL	5	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL	<0.1	<1.0	<0.1	<0.1	<1.0	<0.1	<0.1	<1.0
1,2,4-Trimethylbenzene	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
1,3,5-Trimethylbenzene	ug/L	--		--		<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0
Vinyl Chloride	ug/L	0.2	HRL	2	MCL	<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
o-Xylene	ug/L	--		--		<0.2	<1.0	<0.2	<0.2	<1.0	<0.2	<0.2	<1.0
p&m-Xylene	ug/L	--		--		<0.3	<1.0	<0.3	<0.3	<1.0	<0.3	<0.3	<1.0
Xylene (total)	ug/L	10000	HRL	10000	MCL	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0

Notes:

Bold face - detect

2.0 - framed cell - detected concentration exceeds MN drinking water criteria

2.1 - framed cell - detected concentration exceeds Federal drinking water criteria

135 - increasing trend in concentrations

37 - decreasing trend in concentrations

J - The analyte positively identified, below the report level, estimated
QR - Did not meet QC acceptance criteria - result is estimated
RC - Report level was changed due to sample dilution
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 5
Groundwater Analytical Results - Deep Aquifers' Wells
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

Detected Contaminants															
						Well Name:	W105	SLP4T	SLP4TDUP	SLP10T	SLP11	SLP11	SLP12	SLP13	SLP13
						CWI Name:								ST. LOUIS PARK 13	ST. LOUIS PARK 13
						MN Unique Well No.:	00200979				00206439	00206439	00206456	00206424	00206424
						Aquifer:	Ironton-Galesville	GAC	GAC	GAC	Mt.Simon-Hinckley	Mt.Simon-Hinckley	Mt.Simon-Hinckley	Mt.Simon-Hinckley	Mt.Simon-Hinckley
						STS Sample ID:									
						MDH Sample No:	200811240	200712745	200712746	200712744	200612176	200712741	200712742	200612177	200712743
						Sample Date:	05/05/08	05/21/07	05/21/07	05/21/07	05/15/06	05/21/07	05/21/07	05/15/06	05/21/07
						Notes:	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample	ENSR Split Sample
Detected Contaminants		MN Drinking Water Standard		Federal Drinking Water Standards											
Benzene	ug/L	5	HRL	5	MCL		**1.2**	<0.2	**0.15 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromodichloromethane	ug/L	6	HRL	--			<0.2	<0.2	**0.14 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60	HRL	--			<0.1	**0.3**	**0.8**	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	ug/L	70	HRL	--			**0.8**	<0.2	**0.12 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4	HRL	5	MCL		**0.2**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6	HRL	7	MCL		**0.3 J**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	ug/L	70	HRL	70	MCL		**35**	**0.3**	**3.5**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100	HRL	100	MCL		**1.6**	<0.1	**0.3**	**0.1**	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000	HRL	--			**1.4**	**0.380 J**	**0.439 J**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorofluoromethane	ug/L	--		--			<0.5	**1.7**	**1.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700	HRL	700	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300	HRL*	--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloron	ug/L	5	HRL	5	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300	HRL	--			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--		100	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5	HRL	5	MCL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--		--			<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000	HRL	1000	MCL		<0.5	<0.5	**0.15 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200	HRL	200	MCL		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5	HRL	5	MCL		**0.8**	<0.1	**0.9**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--		--			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2	HRL	2	MCL		**6.6**	**1.4**	**1.5**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-Xylene	ug/L	--		--			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--		--			<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000	HRL	10000	MCL		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect

1.4 - framed cell - detected concentration exceeds MN drinking water criteria

6.6 - framed cell - detected concentration exceeds Federal drinking water criteria

* - due to new research, the MDH no longer recommends the HRL value

HBV - Health Based Values derived by Minnesota Department of Health

HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health

MCL - Maximum Contaminant Level (USEPA)

Table 6
Groundwater Analytical Results - QA/QC Samples
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

Detected Contaminants		MN Drinking Water Standard	Federal Drinking Water Standards														
			Well Name:														
			CWI Name:														
			MN Unique Well No.:														
			Aquifer:														
			STS Sample ID:	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	FIELD BLANK	FIELD BLANK	TRIP BLANK	FIELD BLANK	FIELD BLANK
			MDH Sample No:	200429907	200430257	200430527	200431475	200432023	200432998	200514583	200514040	200531630	200532483	200501040	20054044	200514052	200514582	200514039
			Sample Date:	10/22/2004	10/27/2004	11/1/2004	11/10/2004	11/19/2004	12/9/2004	6/8/2005	6/2/2005	11/22/2005	12/2/2005	1/20/2005	6/3/2005	6/3/2005	6/8/2005	6/2/2005
			Notes:														
Benzene	ug/L	5 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
n-Butylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromoethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	ug/L	60 HRL	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**1.0**	**0.1**	<0.1	**0.1**	**0.7**
1,1-Dichloroethane	ug/L	70 HRL	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2-Dichloroethane	ug/L	4 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,1-Dichloroethene	ug/L	6 HRL	7 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	ug/L	70 HRL	70 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-Dichloroethene	ug/L	100 HRL	100 MCL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorodifluoromethane	ug/L	1000 HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	700 HRL	700 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	ug/L	300 HRL*	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride (Dichloror	ug/L	5 HRL	5 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	ug/L	300 HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Styrene	ug/L	--	100 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	ug/L	5 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	**0.9**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Tetrahydrofuran	ug/L	--	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	ug/L	1000 HRL	1000 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	200 HRL	200 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Trichloroethene (TCE)	ug/L	5 HRL	5 MCL	<0.1	<0.1	<0.1	<0.1	<0.1	**0.4**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trimethylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Chloride	ug/L	0.2 HRL	2 MCL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
o-Xylene	ug/L	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
p&m-Xylene	ug/L	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylene (total)	ug/L	10000 HRL	10000 MCL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

Bold face - detect
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Table 6
Groundwater Analytical Results - QA/QC Samples
St. Louis Park / Edina / Hopkins Groundwater VOC Contamination
STS Project 200703587

Detected Contaminants		MN Drinking Water Standard	Federal Drinking Water Standards															
		Well Name:			P307FB	W136FB				TB1SW001								
		CWI Name:																
		MN Unique Well No.:																
		Aquifer:																
		STS Sample ID:		TRIP BLANK	FIELD BLANK	FIELD BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	
		MDH Sample No:						200612189	200610295	200611313	200710999	200711651	200712740	200712751	200725302	200810163	200811247	
		Sample Date:		5/9/2005	4/25/2005	4/26/2005	4/26/2005	5/16/2006	5/16/2006	5/8/2006	5/7/2007	5/15/2007	5/21/2007	5/22/2007	8/21/2007	5/1/2008	5/6/2008	
		Notes:		ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	ENSR Sampling	
Benzene	ug/L	5 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
n-Butylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chlorodibromoethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chloroethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Chloroform	ug/L	60 HRL	--	<0.1	<0.1	**0.1**	**0.1**	<1.0	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,1-Dichloroethane	ug/L	70 HRL	--	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,2-Dichloroethane	ug/L	4 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,1-Dichloroethene	ug/L	6 HRL	7 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
cis-1,2-Dichloroethene	ug/L	70 HRL	70 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
trans-1,2-Dichloroethene	ug/L	100 HRL	100 MCL	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dichlorodifluoromethane	ug/L	1000 HRL	--	<1.0	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Dichlorofluoromethane	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Ethylbenzene	ug/L	700 HRL	700 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Isopropylbenzene	ug/L	300 HRL*	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
p-Isopropyltoluene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Methylene chloride (Dichloror	ug/L	5 HRL	5 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Naphthalene	ug/L	300 HRL	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
n-Propylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Styrene	ug/L	--	100 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Tetrachloroethene	ug/L	5 HRL	5 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Tetrahydrofuran	ug/L	--	--	<10	<10	<10	<10	<1.0	<10	<1.0	<10	<10	<10	<10	<10	<10	<10	
Toluene	ug/L	1000 HRL	1000 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,1,1-Trichloroethane	ug/L	200 HRL	200 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Trichloroethene (TCE)	ug/L	5 HRL	5 MCL	<0.1	<0.1	<0.1	<0.1	<1.0	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
1,2,4-Trimethylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
1,3,5-Trimethylbenzene	ug/L	--	--	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Vinyl Chloride	ug/L	0.2 HRL	2 MCL	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
o-Xylene	ug/L	--	--	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	<1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
p&m-Xylene	ug/L	--	--	<0.3	<0.3	<0.3	<0.3	<1.0	<0.3	<1.0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
Xylene (total)	ug/L	10000 HRL	10000 MCL	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

Notes:

Bold face - detect
* - due to new research, the MDH no longer recommends the HRL value
HBV - Health Based Values derived by Minnesota Department of Health
HRL - Health Risk Level derived and promulgated in rule by Minnesota Department of Health
MCL - Maximum Contaminant Level (USEPA)

Appendix A

Chains of Custody and MDH Laboratory Analysis Data

08.3155 thru 0810163

MDH Chain of Custody

Public Health Laboratory

Minnesota Department of Health
Chemical Laboratory
717Delaware Street S.E.
Minneapolis, Minnesota 55440

Client/Agency MPCA

Project Name Reilly Tar VOC

Site ID

Program Code (2 letters) PL

Contact Name N. le Fellows

Contact Phone # 651-296-7290

MDH 1000 № 21777

Report to MPCA

Potential Hazard: Yes/No/Unknown (Circle One)

If Yes: Chemical/Biological/Other_____(Circle One)

Standard/Civil/Criminal Chain of Custody (Circle One)

Sampled By (Print) Andrew J. Tarara

Affiliation ENSR Corporation

Sampler Signature A. J. Tarara

Phone 952 924 0117

s if Needed

ORIGINAL

AMPLER COMMENTS

Number of Co

Item #	Field ID	Sample Source/Point	Collection Date MM/DD/YYYY	Time (24 Hour Clock)	MDH Sample Number (Lab Use Only)	Matrix	General (None)	Nutrient (H2SO4)	Metals (HNO3)	VOC	Semivol	DRO	GRO			
1		SLP10T-050108	5/1/08	950	10159	GW				3						
2		W48-050108	↓	~~1110~~ 1150 AT.	160	↓				↓						
3		W29-050108	↓	1310	161	↓				↓						
4		W403-050108	↓	1615	162	↓				↓						
5		Trip Blank	5/1/08	—	163	—				2						
6																
7																
8																
9																
10																

SAMPLER COMMENTS:

RECEIVING COMMENTS:

LAB TEMP 10/11° C

SEAL INTACT: YES / NO

ITEM NO.	RELINQUISHED BY/AFFIALIATION		TIME	DATE	ACCEPTED BY/AFFIALIATION	TIME	DATE
	A J Tarara	ENSR	11:10	5/2/08			
	N. le Fellows	MPCA	11:45	5/2/08	Sarah Tarquell	11:44	5-2-08

White Lab Copy Yellow Client Copy Pink Submitter Copy

MINNESOTA MDH DEPARTMENT of HEALTH

Protecting, maintaining and improving the health of all Minnesotans

Report Date: 19-MAY-2008

Client Name: MPCA-GW & SW
Project Code: PL
Project Name: MPCA-32 METRO MERLA-SF

Samples: 200810159 — 200810163

Report To: Bill Scruton
MPCA-GW & SW
520 Lafayette Rd.
St. Paul, MN 55155

The MDH Public Health Laboratory performs chemical, bacteriological and radiological analyses of environmental samples including water, waste water, sediment, air, soil and hazardous material. The laboratory provides testing services in accordance with standard operating procedures referencing approved methodology and defined in Standard Methods for the Examination of Water and Wastewater, Test Methods for *Evaluating Solid Waster, Physical/Chemical Methods:EPA SW-846, and 40 Code of Feder.* Regulation (CFR) parts 136, 141, and 261. In cases where analytes of interest do not have corresponding EPA approved methodology, the MDH Public Health Laboratory uses in-house methods that have undergone rigorous validation and documentation.

The results within this report are in compliance with the terms and conditions stated in the standard operation procedures, reference methodologies, and quality assuranc project plan; unless otherwise narrated in the attached report.

Release of the data contained in this report has been authorized by laboratory management and is verified with the following signature affirmation. Thank you for using the MDH Public Health Laboratory. If you have any questions regarding this report, please call us at 651.201.5300.

Sincerely,

Suzanne Skorich
Environmental Laboratory, Quality Assurance Officer

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **1 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810159**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0950**	-	**SLP10T-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 11:37**
Dibromofluoromethane (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 11:37**
1,2-Dichlorobenzene-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 11:37**
1,2-Dichloroethane-D4 (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 11:37**
Toluene-D8 (surrogate)		**101**	**70-130**	**% Recovery**	**07-MAY-08 11:37**
Acetone	<	20	20	ug/L	07-MAY-08 11:37
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 11:37
Benzene	<	0.2	0.2	ug/L	07-MAY-08 11:37
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 11:37
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 11:37
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 11:37
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 11:37
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 11:37
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 11:37
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 11:37
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 11:37
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 11:37
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 11:37
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 11:37
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 11:37
Chloroform		**0.1**	**0.1**	**ug/L**	**07-MAY-08 11:37**
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 11:37
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 11:37
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 11:37
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 11:37
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 11:37

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **2 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810159**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0950**	-	**SLP10T-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 11
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 11
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 11:3
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 11
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 11
1,1-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 11:
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 11:
1,1-Dichloroethene	<	0.5	0.5	ug/L	07-MAY-08 11
cis-1,2-Dichloroethene		**0.3**	**0.2**	**ug/L**	**07-MAY-08 11:**
trans-1,2-Dichloroethene	J	**0.09**	**0.1**	**ug/L**	**07-MAY-08 11:3**
Dichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 11
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 11
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 11:3
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 11
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 11
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 11:3
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 11:3
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 11
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 11:
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 11:3
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 11:
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 11:
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 11:3
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 11:3
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 11:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 11:3

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **3 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Sample No: **200810159**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	0950	-	SLP10T-050108

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 11:37
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 11:37
Styrene		<	0.5	0.5	ug/L	07-MAY-08 11:37
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 11:37
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 11:37
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 11:37
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 11:37
Toluene		<	0.5	0.5	ug/L	07-MAY-08 11:37
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 11:37
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 11:37
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 11:37
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 11:37
Trichloroethene (TCE)		<	0.1	0.1	ug/L	07-MAY-08 11:37
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 11:37
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 11:37
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 11:37
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 11:37
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 11:37
Vinyl chloride		<	0.2	0.2	ug/L	07-MAY-08 11:37
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 11:37
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 11:37

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **4 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810160**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1150**	-	**W48-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**101**	**70-130**	**% Recovery**	**07-MAY-08 12**
Dibromofluoromethane (surrogate)		**104**	**70-130**	**% Recovery**	**07-MAY-08 12**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 12:0**
1,2-Dichloroethane-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 12**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 12**
Acetone	<	20	20	ug/L	07-MAY-08 12
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 12
Benzene		**2.0**	**0.2**	**ug/L**	**07-MAY-08 12**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 12
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 12:0
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 12
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 12
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 12:0
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 12
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 12
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 12:0
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 12:0
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 12
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 12
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 12:0
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 12
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 12
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 12:0
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 12:0
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 12
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 12

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: ***19-MAY-2008***

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	***ANDREW J TARARA***

Sample No: **200810160**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1150**	-	**W48-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Dibromomethane		<	0.5	0.5	ug/L	07-MAY-08 12:05
1,2-Dichlorobenzene		<	0.2	0.2	ug/L	07-MAY-08 12:05
1,3-Dichlorobenzene		<	0.2	0.2	ug/L	07-MAY-08 12:05
1,4-Dichlorobenzene		<	0.2	0.2	ug/L	07-MAY-08 12:05
Dichlorodifluoromethane	QR		**1.8**	**1.0**	**ug/L**	**07-MAY-08 12:05**
1,1-Dichloroethane			**1.0**	**0.2**	**ug/L**	**07-MAY-08 12:05**
1,2-Dichloroethane			**1.0**	**0.2**	**ug/L**	**07-MAY-08 12:05**
1,1-Dichloroethene			**1.3**	**0.5**	**ug/L**	**07-MAY-08 12:05**
cis-1,2-Dichloroethene	*RC*		**140**	**2.0**	**ug/L**	**13-MAY-08**
trans-1,2-Dichloroethene			**8.3**	**0.1**	**ug/L**	**07-MAY-08 12:05**
Dichlorofluoromethane			**4.6**	**0.5**	**ug/L**	**07-MAY-08 12:05**
1,2-Dichloropropane		<	0.2	0.2	ug/L	07-MAY-08 12:05
1,3-Dichloropropane		<	0.2	0.2	ug/L	07-MAY-08 12:05
2,2-Dichloropropane	QR	<	0.5	0.5	ug/L	07-MAY-08 12:05
1,1-Dichloropropene		<	0.2	0.2	ug/L	07-MAY-08 12:05
cis-1,3-Dichloropropene		<	0.2	0.2	ug/L	07-MAY-08 12:05
trans-1,3-Dichloropropene		<	0.2	0.2	ug/L	07-MAY-08 12:05
Ethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 12:05
Ethyl ether		<	2.0	2.0	ug/L	07-MAY-08 12:05
Hexachlorobutadiene		<	1.0	1.0	ug/L	07-MAY-08 12:05
Isopropylbenzene		<	0.5	0.5	ug/L	07-MAY-08 12:05
p-Isopropyltoluene		<	0.5	0.5	ug/L	07-MAY-08 12:05
Methylene chloride		<	0.5	0.5	ug/L	07-MAY-08 12:05
Methyl ethyl ketone (MEK)		<	10	10	ug/L	07-MAY-08 12:05
Methyl isobutyl ketone (MIBK)		<	5.0	5.0	ug/L	07-MAY-08 12:05
Methyl tertiary butyl ether (MTBE)		<	2.0	2.0	ug/L	07-MAY-08 12:05

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810160**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1150**	-	**W48-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	07-MAY-08 12
n-Propylbenzene	<	0.5	0.5	ug/L	07-MAY-08 12
Styrene	<	0.5	0.5	ug/L	07-MAY-08 12:0
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 12
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 12
Tetrachloroethene	<	0.2	0.2	ug/L	07-MAY-08 12
Tetrahydrofuran (THF)	QO <	10	10	ug/L	07-MAY-08 12:0
Toluene	<	0.5	0.5	ug/L	07-MAY-08 12
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	07-MAY-08 12
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	07-MAY-08 12:0
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	07-MAY-08 12
1,1,2-Trichloroethane		**0.2**	**0.2**	**ug/L**	**07-MAY-08 12**
Trichloroethene (TCE)		**5.1**	**0.1**	**ug/L**	**07-MAY-08 12:0**
Trichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 12
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	07-MAY-08 12
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	07-MAY-08 12
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 12:0
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 12
Vinyl chloride		**15**	**0.2**	**ug/L**	**07-MAY-08 12**
o-Xylene	<	0.2	0.2	ug/L	07-MAY-08 12:0
p&m-Xylene	<	0.3	0.3	ug/L	07-MAY-08 12

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Program: PL
Program Name: MPCA-32 METRO MERLA-SF
Request Number: 325815

Date Received: 02-MAY-2008
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Samples: 200810159 - 200810163

Date Reported: 19-MAY-2008

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Sample No: 200810161

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	1310	-	W29-050108

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By PDS on 19-MAY-08

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		102	70-130	% Recovery	13-MAY-08 18:18
Dibromofluoromethane (surrogate)		102	70-130	% Recovery	13-MAY-08 18:18
1,2-Dichlorobenzene-D4 (surrogate)		105	70-130	% Recovery	13-MAY-08 18:18
1,2-Dichloroethane-D4 (surrogate)		107	70-130	% Recovery	13-MAY-08 18:18
Toluene-D8 (surrogate)		109	70-130	% Recovery	13-MAY-08 18:18
Acetone	QR <	20	20	ug/L	13-MAY-08 18:18
Allyl chloride	<	0.5	0.5	ug/L	13-MAY-08 18:18
Benzene	<	0.2	0.2	ug/L	13-MAY-08 18:18
Bromobenzene	<	0.2	0.2	ug/L	13-MAY-08 18:18
Bromochloromethane	<	0.5	0.5	ug/L	13-MAY-08 18:18
Bromodichloromethane	<	0.2	0.2	ug/L	13-MAY-08 18:18
Bromoform	<	0.5	0.5	ug/L	13-MAY-08 18:18
Bromomethane	<	1.0	1.0	ug/L	13-MAY-08 18:18
n-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
sec-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
tert-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
Carbon tetrachloride	<	0.2	0.2	ug/L	13-MAY-08 18:18
Chlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 18:18
Chlorodibromomethane	<	0.5	0.5	ug/L	13-MAY-08 18:18
Chloroethane	<	0.5	0.5	ug/L	13-MAY-08 18:18
Chloroform	<	0.1	0.1	ug/L	13-MAY-08 18:18
Chloromethane	<	1.0	1.0	ug/L	13-MAY-08 18:18
2-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 18:18
4-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	13-MAY-08 18:18
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	13-MAY-08 18:18

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810161**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1310**	-	**W29-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	13-MAY-08 18
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 18
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 18:1
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 18
Dichlorodifluoromethane	<	1.0	1.0	ug/L	13-MAY-08 18
1,1-Dichloroethane		**0.6**	**0.2**	**ug/L**	**13-MAY-08 18**
1,2-Dichloroethane	<	0.2	0.2	ug/L	13-MAY-08 18:1
1,1-Dichloroethene	<	0.5	0.5	ug/L	13-MAY-08 18
cis-1,2-Dichloroethene		**4.2**	**0.2**	**ug/L**	**13-MAY-08 18**
trans-1,2-Dichloroethene		**0.2**	**0.1**	**ug/L**	**13-MAY-08 18:1**
Dichlorofluoromethane	J	**0.3**	**0.5**	**ug/L**	**13-MAY-08 18**
1,2-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 18
1,3-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 18:1
2,2-Dichloropropane	<	0.5	0.5	ug/L	13-MAY-08 18
1,1-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 18
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 18:1
trans-1,3-Dichloropropene	QR <	0.2	0.2	ug/L	13-MAY-08 18:1
Ethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18
Ethyl ether	<	2.0	2.0	ug/L	13-MAY-08 18
Hexachlorobutadiene	<	1.0	1.0	ug/L	13-MAY-08 18:1
Isopropylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18
p-Isopropyltoluene	<	0.5	0.5	ug/L	13-MAY-08 18
Methylene chloride	<	0.5	0.5	ug/L	13-MAY-08 18:1
Methyl ethyl ketone (MEK)	<	10	10	ug/L	13-MAY-08 18:1
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	13-MAY-08 18
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	13-MAY-08 18

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Program: **PL**
Program Name: ***MPCA-32 METRO MERLA-SF***
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: ***19-MAY-2008***
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810161**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1310**	-	**W29-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	13-MAY-08 18:18
n-Propylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
Styrene	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 18:18
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 18:18
Tetrachloroethene	<	0.2	0.2	ug/L	13-MAY-08 18:18
Tetrahydrofuran (THF)	QR <	10	10	ug/L	13-MAY-08 18:18
Toluene	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	13-MAY-08 18:18
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 18:18
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 18:18
Trichloroethene (TCE)		**0.6**	**0.1**	**ug/L**	**13-MAY-08 18:18**
Trichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	13-MAY-08 18:18
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:18
Vinyl chloride		**0.7**	**0.2**	**ug/L**	**13-MAY-08 18:18**
o-Xylene	<	0.2	0.2	ug/L	13-MAY-08 18:18
p&m-Xylene	<	0.3	0.3	ug/L	13-MAY-08 18:18

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810162**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1615**	-	**W403-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**81**	**70-130**	**% Recovery**	**13-MAY-08 18**
Dibromofluoromethane (surrogate)		**102**	**70-130**	**% Recovery**	**13-MAY-08 18**
1,2-Dichlorobenzene-D4 (surrogate)		**89**	**70-130**	**% Recovery**	**13-MAY-08 18:4**
1,2-Dichloroethane-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**13-MAY-08 18**
Toluene-D8 (surrogate)		**110**	**70-130**	**% Recovery**	**13-MAY-08 18**
Acetone	QR <	20	20	ug/L	13-MAY-08 18:4
Allyl chloride	<	0.5	0.5	ug/L	13-MAY-08 18:4
Benzene	<	0.2	0.2	ug/L	13-MAY-08 18
Bromobenzene	<	0.2	0.2	ug/L	13-MAY-08 18:4
Bromochloromethane	<	0.5	0.5	ug/L	13-MAY-08 18:4
Bromodichloromethane	<	0.2	0.2	ug/L	13-MAY-08 18
Bromoform	<	0.5	0.5	ug/L	13-MAY-08 18
Bromomethane	<	1.0	1.0	ug/L	13-MAY-08 18:4
n-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18
sec-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18
tert-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:4
Carbon tetrachloride	<	0.2	0.2	ug/L	13-MAY-08 18:4
Chlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 1
Chlorodibromomethane	<	0.5	0.5	ug/L	13-MAY-08 18
Chloroethane	<	0.5	0.5	ug/L	13-MAY-08 18:4
Chloroform	<	0.1	0.1	ug/L	13-MAY-08 18
Chloromethane	<	1.0	1.0	ug/L	13-MAY-08 18
2-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 18:4
4-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 18
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	13-MAY-08 18
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	13-MAY-08 18:4

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810162**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1615**	-	**W403-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Dibromomethane		<	0.5	0.5	ug/L	13-MAY-08 18:46
1,2-Dichlorobenzene		<	0.2	0.2	ug/L	13-MAY-08 18:46
1,3-Dichlorobenzene		<	0.2	0.2	ug/L	13-MAY-08 18:46
1,4-Dichlorobenzene		<	0.2	0.2	ug/L	13-MAY-08 18:46
Dichlorodifluoromethane		<	1.0	1.0	ug/L	13-MAY-08 18:46
1,1-Dichloroethane		<	0.2	0.2	ug/L	13-MAY-08 18:46
1,2-Dichloroethane		<	0.2	0.2	ug/L	13-MAY-08 18:46
1,1-Dichloroethene		<	0.5	0.5	ug/L	13-MAY-08 18:46
cis-1,2-Dichloroethene		<	0.2	0.2	ug/L	13-MAY-08 18:46
trans-1,2-Dichloroethene		<	0.1	0.1	ug/L	13-MAY-08 18:46
Dichlorofluoromethane		<	0.5	0.5	ug/L	13-MAY-08 18:46
1,2-Dichloropropane		<	0.2	0.2	ug/L	13-MAY-08 18:46
1,3-Dichloropropane		<	0.2	0.2	ug/L	13-MAY-08 18:46
2,2-Dichloropropane		<	0.5	0.5	ug/L	13-MAY-08 18:46
1,1-Dichloropropene		<	0.2	0.2	ug/L	13-MAY-08 18:46
cis-1,3-Dichloropropene		<	0.2	0.2	ug/L	13-MAY-08 18:46
trans-1,3-Dichloropropene	QR	<	0.2	0.2	ug/L	13-MAY-08 18:46
Ethylbenzene		<	0.5	0.5	ug/L	13-MAY-08 18:46
Ethyl ether		<	2.0	2.0	ug/L	13-MAY-08 18:46
Hexachlorobutadiene		<	1.0	1.0	ug/L	13-MAY-08 18:46
Isopropylbenzene		<	0.5	0.5	ug/L	13-MAY-08 18:46
p-Isopropyltoluene		<	0.5	0.5	ug/L	13-MAY-08 18:46
Methylene chloride		<	0.5	0.5	ug/L	13-MAY-08 18:46
Methyl ethyl ketone (MEK)		<	10	10	ug/L	13-MAY-08 18:46
Methyl isobutyl ketone (MIBK)		<	5.0	5.0	ug/L	13-MAY-08 18:46
Methyl tertiary butyl ether (MTBE)		<	2.0	2.0	ug/L	13-MAY-08 18:46

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810162**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	1615	-	W403-050108

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	13-MAY-08 18 6
n-Propylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18 6
Styrene	<	0.5	0.5	ug/L	13-MAY-08 18:46
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 18 6
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 18 6
Tetrachloroethene	<	0.2	0.2	ug/L	13-MAY-08 18 6
Tetrahydrofuran (THF)	QR <	10	10	ug/L	13-MAY-08 18:46
Toluene	<	0.5	0.5	ug/L	13-MAY-08 18 6
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	13-MAY-08 18 6
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	13-MAY-08 18:46
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 18 6
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 18 6
Trichloroethene (TCE)	<	0.1	0.1	ug/L	13-MAY-08 18:46
Trichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 18 46
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	13-MAY-08 18 6
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	13-MAY-08 18 6
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18:46
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 18 6
Vinyl chloride	<	0.2	0.2	ug/L	13-MAY-08 18 6
o-Xylene	<	0.2	0.2	ug/L	13-MAY-08 18:46
p&m-Xylene	<	0.3	0.3	ug/L	13-MAY-08 18 6

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810163 (Trip Blank)**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	-	-	**TRIP BLANK**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**103**	**70-130**	**% Recovery**	**13-MAY-08 19:15**
Dibromofluoromethane (surrogate)		**100**	**70-130**	**% Recovery**	**13-MAY-08 19:15**
1,2-Dichlorobenzene-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**13-MAY-08 19:15**
1,2-Dichloroethane-D4 (surrogate)		**105**	**70-130**	**% Recovery**	**13-MAY-08 19:15**
Toluene-D8 (surrogate)		**109**	**70-130**	**% Recovery**	**13-MAY-08 19:15**
Acetone	QR <	20	20	ug/L	13-MAY-08 19:15
Allyl chloride	<	0.5	0.5	ug/L	13-MAY-08 19:15
Benzene	<	0.2	0.2	ug/L	13-MAY-08 19:15
Bromobenzene	<	0.2	0.2	ug/L	13-MAY-08 19:15
Bromochloromethane	<	0.5	0.5	ug/L	13-MAY-08 19:15
Bromodichloromethane	<	0.2	0.2	ug/L	13-MAY-08 19:15
Bromoform	<	0.5	0.5	ug/L	13-MAY-08 19:15
Bromomethane	<	1.0	1.0	ug/L	13-MAY-08 19:15
n-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 19:15
sec-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 19:15
tert-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 19:15
Carbon tetrachloride	<	0.2	0.2	ug/L	13-MAY-08 19:15
Chlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 19:15
Chlorodibromomethane	<	0.5	0.5	ug/L	13-MAY-08 19:15
Chloroethane	<	0.5	0.5	ug/L	13-MAY-08 19:15
Chloroform	<	0.1	0.1	ug/L	13-MAY-08 19:15
Chloromethane	<	1.0	1.0	ug/L	13-MAY-08 19:15
2-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 19:15
4-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 19:15
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	13-MAY-08 19:15
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	13-MAY-08 19:15

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810163(Trip Blank)**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	-	-	**TRIP BLANK**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Dibromomethane		<	0.5	0.5	ug/L	13-MAY-08 19
1,2-Dichlorobenzene		<	0.2	0.2	ug/L	13-MAY-08 19
1,3-Dichlorobenzene		<	0.2	0.2	ug/L	13-MAY-08 19:1
1,4-Dichlorobenzene		<	0.2	0.2	ug/L	13-MAY-08 19
Dichlorodifluoromethane		<	1.0	1.0	ug/L	13-MAY-08 19
1,1-Dichloroethane		<	0.2	0.2	ug/L	13-MAY-08 19
1,2-Dichloroethane		<	0.2	0.2	ug/L	13-MAY-08 19:1
1,1-Dichloroethene		<	0.5	0.5	ug/L	13-MAY-08 19
cis-1,2-Dichloroethene		<	0.2	0.2	ug/L	13-MAY-08 19
trans-1,2-Dichloroethene		<	0.1	0.1	ug/L	13-MAY-08 19:1
Dichlorofluoromethane		<	0.5	0.5	ug/L	13-MAY-08 19
1,2-Dichloropropane		<	0.2	0.2	ug/L	13-MAY-08 19
1,3-Dichloropropane		<	0.2	0.2	ug/L	13-MAY-08 19:1
2,2-Dichloropropane		<	0.5	0.5	ug/L	13-MAY-08 19
1,1-Dichloropropene		<	0.2	0.2	ug/L	13-MAY-08 19
cis-1,3-Dichloropropene		<	0.2	0.2	ug/L	13-MAY-08 19
trans-1,3-Dichloropropene	QR	<	0.2	0.2	ug/L	13-MAY-08 19:1
Ethylbenzene		<	0.5	0.5	ug/L	13-MAY-08 19
Ethyl ether		<	2.0	2.0	ug/L	13-MAY-08 19
Hexachlorobutadiene		<	1.0	1.0	ug/L	13-MAY-08 19:1
Isopropylbenzene		<	0.5	0.5	ug/L	13-MAY-08 19
p-Isopropyltoluene		<	0.5	0.5	ug/L	13-MAY-08 19
Methylene chloride		<	0.5	0.5	ug/L	13-MAY-08 19:1
Methyl ethyl ketone (MEK)		<	10	10	ug/L	13-MAY-08 19:1
Methyl isobutyl ketone (MIBK)		<	5.0	5.0	ug/L	13-MAY-08 19
Methyl tertiary butyl ether (MTBE)		<	2.0	2.0	ug/L	13-MAY-08 19

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Program: **PL** | Date Received: **02-MAY-2008**
Program Name: **MPCA-32 METRO MERLA-SF** | Date Generated: **19-MAY-2008**
Request Number: **325815** | Request Page: **15 of 30**

Samples: 200810159 - 200810163 | Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810163 (Trip Blank)**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	-	-	**TRIP BLANK**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	13-MAY-08 19:15
n-Propylbenzene	<	0.5	0.5	ug/L	13-MAY-08 19:15
Styrene	<	0.5	0.5	ug/L	13-MAY-08 19:1
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 19:1
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 19:1
Tetrachloroethene	<	0.2	0.2	ug/L	13-MAY-08 19:1
Tetrahydrofuran (THF)	QR <	10	10	ug/L	13-MAY-08 19:1
Toluene	<	0.5	0.5	ug/L	13-MAY-08 19:1
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	13-MAY-08 19:1
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	13-MAY-08 19:
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 19:
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 19:
Trichloroethene (TCE)	<	0.1	0.1	ug/L	13-MAY-08 19:
Trichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 19:
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	13-MAY-08 19:
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	13-MAY-08 19:
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 19:
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 19:
Vinyl chloride	<	0.2	0.2	ug/L	13-MAY-08 19
o-Xylene	<	0.2	0.2	ug/L	13-MAY-08 19
p&m-Xylene	<	0.3	0.3	ug/L	13-MAY-08 19

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **16 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Result Code Description

J The analyte was positively identified. The result is below the report level and is estimated.

QO Response for this analyte in a continuing calibration verification standard did not meet the QC acceptance criteria. Since the recovery showed a positive bias and the analyte was not detected in the sample, the sample result for this analyte was accepted without qualification.

QR Response for this analyte in a continuing calibration verification standard did not meet the QC acceptance criteria. The sample result for this analyte should be considered as estimated.

RC Report level was changed due to sample dilution.

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

All samples analyzed in the batch

200810149, 200810150, 200810151, 200810152, 200810153, 200810154, 200810155, 200810156, 200810157, 200810159, 200810160

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time		Acceptable
200810159	01-MAY-08	07-MAY-08	6	14	DAYS	Y
200810160	01-MAY-08	07-MAY-08	6	14	DAYS	Y

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		100	70-130
Dibromofluoromethane (surrogate)		103	70-130
1,2-Dichlorobenzene-D4 (surrogate)		101	70-130
1,2-Dichloroethane-D4 (surrogate)		107	70-130
Toluene-D8 (surrogate)		103	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		96	93	70-130
Dibromofluoromethane (surrogate)		103	104	70-130
1,2-Dichlorobenzene-D4 (surrogat		87	88	70-130
1,2-Dichloroethane-D4 (surrogate		101	102	70-130
Toluene-D8 (surrogate)		106	112	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	97	129	29	70-130	30
Allyl chloride	5	ug/L	98	97	1	70-130	30
Benzene	5	ug/L	120	115	4	70-130	30
Bromobenzene	5	ug/L	100	97	3	70-130	30
Bromochloromethane	5	ug/L	119	119	0	70-130	30
Bromodichloromethane	5	ug/L	117	110	6	70-130	30
Bromoform	5	ug/L	77	**64***	18	70-130	30
Bromomethane	5	ug/L	**61***	**61***	1	70-130	30
n-Butylbenzene	5	ug/L	82	73	11	70-130	30
sec-Butylbenzene	5	ug/L	90	83	9	70-130	30

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **21 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
tert-Butylbenzene	5	ug/L	86	81	6	70-130	30
Carbon tetrachloride	5	ug/L	119	115	3	70-130	30
Chlorobenzene	5	ug/L	103	91	12	70-130	30
Chlorodibromomethane	5	ug/L	94	87	9	70-130	30
Chloroethane	5	ug/L	99	105	6	70-130	30
Chloroform	5	ug/L	125	121	3	70-130	30
Chloromethane	5	ug/L	70	74	5	70-130	30
2-Chlorotoluene	5	ug/L	105	97	9	70-130	30
4-Chlorotoluene	5	ug/L	111	99	11	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	86	84	3	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	106	108	2	70-130	30
Dibromomethane	5	ug/L	125	129	3	70-130	30
1,2-Dichlorobenzene	5	ug/L	99	95	5	70-130	30
1,3-Dichlorobenzene	5	ug/L	101	97	5	70-130	30
1,4-Dichlorobenzene	5	ug/L	99	94	5	70-130	30
Dichlorodifluoromethane	5	ug/L	**56***	**43***	26	70-130	30
1,1-Dichloroethane	5	ug/L	112	117	4	70-130	30
1,2-Dichloroethane	5	ug/L	126	123	2	70-130	30
1,1-Dichloroethene	5	ug/L	98	103	5	70-130	30
cis-1,2-Dichloroethene	5	ug/L	115	121	5	70-130	30
trans-1,2-Dichloroethene	5	ug/L	107	110	3	70-130	30
Dichlorofluoromethane	5	ug/L	105	119	13	70-130	30
1,2-Dichloropropane	5	ug/L	120	116	3	70-130	30
1,3-Dichloropropane	5	ug/L	107	109	2	70-130	30
2,2-Dichloropropane	5	ug/L	88	**68***	25	70-130	30
1,1-Dichloropropene	5	ug/L	119	114	4	70-130	30
cis-1,3-Dichloropropene	5	ug/L	82	80	2	70-130	30
trans-1,3-Dichloropropene	5	ug/L	85	84	2	70-130	30

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **22 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Ethylbenzene	5	ug/L	110	84	26	70-130	30
Ethyl ether	5	ug/L	103	111	7	70-130	30
Hexachlorobutadiene	5	ug/L	90	93	3	70-130	30
Isopropylbenzene	5	ug/L	90	84	8	70-130	30
p-Isopropyltoluene	5	ug/L	84	77	8	70-130	30
Methylene chloride	5	ug/L	101	106	5	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	118	113	4	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	95	95	1	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	105	112	6	70-130	30
Naphthalene	5	ug/L	71	77	8	70-130	30
n-Propylbenzene	5	ug/L	91	82	10	70-130	30
Styrene	5	ug/L	93	71	28	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	104	83	23	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	101	95	6	70-130	30
Tetrachloroethene	5	ug/L	104	102	2	70-130	30
Tetrahydrofuran (THF)	5	ug/L	**249***	**277***	11	70-130	30
Toluene	5	ug/L	104	104	0	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	86	93	8	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	85	92	7	70-130	30
1,1,1-Trichloroethane	5	ug/L	123	118	4	70-130	30
1,1,2-Trichloroethane	5	ug/L	107	111	4	70-130	30
Trichloroethene (TCE)	5	ug/L	119	114	4	70-130	30
Trichlorofluoromethane	5	ug/L	92	106	14	70-130	30
1,2,3-Trichloropropane	5	ug/L	100	93	7	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	98	103	4	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	91	83	9	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	88	81	9	70-130	30
Vinyl chloride	5	ug/L	81	83	3	70-130	30

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **23 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
o-Xylene	5	ug/L	103	76	29	70-130	30
p&m-Xylene	5	ug/L	96	73	27	70-130	30

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **24 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080513.11 AN: 468

All samples analyzed in the batch

200810158, 200810161, 200810162, 200810163, 200810187, 200810236, 200810241, 200810355, 200810625, 200810626, 200810627, 200810934, 200811238

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time		Acceptable
200810161	01-MAY-08	13-MAY-08	12	14	DAYS	Y
200810162	01-MAY-08	13-MAY-08	12	14	DAYS	Y
200810163	01-MAY-08	13-MAY-08	12	14	DAYS	Y

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **25 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		104	70-130
Dibromofluoromethane (surrogate)		101	70-130
1,2-Dichlorobenzene-D4 (surrogate)		103	70-130
1,2-Dichloroethane-D4 (surrogate)		103	70-130
Toluene-D8 (surrogate)		109	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **26 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **27 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		97	95	70-130
Dibromofluoromethane (surrogate)		100	101	70-130
1,2-Dichlorobenzene-D4 (surrogat		89	89	70-130
1,2-Dichloroethane-D4 (surrogate		101	101	70-130
Toluene-D8 (surrogate)		114	102	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	**0***	**19***	**200***	70-130	30
Allyl chloride	5	ug/L	96	95	0	70-130	30
Benzene	5	ug/L	100	102	2	70-130	30
Bromobenzene	5	ug/L	99	97	2	70-130	30
Bromochloromethane	5	ug/L	105	104	1	70-130	30
Bromodichloromethane	5	ug/L	103	94	9	70-130	30
Bromoform	5	ug/L	96	90	7	70-130	30
Bromomethane	5	ug/L	103	94	10	70-130	30
n-Butylbenzene	5	ug/L	75	75	1	70-130	30
sec-Butylbenzene	5	ug/L	83	84	1	70-130	30

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **28 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
tert-Butylbenzene	5	ug/L	79	80	0	70-130	30
Carbon tetrachloride	5	ug/L	99	98	1	70-130	30
Chlorobenzene	5	ug/L	99	98	1	70-130	30
Chlorodibromomethane	5	ug/L	102	97	5	70-130	30
Chloroethane	5	ug/L	121	117	4	70-130	30
Chloroform	5	ug/L	101	106	4	70-130	30
Chloromethane	5	ug/L	117	105	11	70-130	30
2-Chlorotoluene	5	ug/L	103	102	1	70-130	30
4-Chlorotoluene	5	ug/L	106	105	1	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	84	83	1	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	100	103	2	70-130	30
Dibromomethane	5	ug/L	103	103	1	70-130	30
1,2-Dichlorobenzene	5	ug/L	96	96	0	70-130	30
1,3-Dichlorobenzene	5	ug/L	99	97	2	70-130	30
1,4-Dichlorobenzene	5	ug/L	96	94	2	70-130	30
Dichlorodifluoromethane	5	ug/L	127	117	9	70-130	30
1,1-Dichloroethane	5	ug/L	100	105	5	70-130	30
1,2-Dichloroethane	5	ug/L	98	106	8	70-130	30
1,1-Dichloroethene	5	ug/L	99	98	1	70-130	30
cis-1,2-Dichloroethene	5	ug/L	99	98	1	70-130	30
trans-1,2-Dichloroethene	5	ug/L	100	101	1	70-130	30
Dichlorofluoromethane	5	ug/L	109	113	4	70-130	30
1,2-Dichloropropane	5	ug/L	103	99	4	70-130	30
1,3-Dichloropropane	5	ug/L	102	103	0	70-130	30
2,2-Dichloropropane	5	ug/L	99	87	12	70-130	30
1,1-Dichloropropene	5	ug/L	98	99	1	70-130	30
cis-1,3-Dichloropropene	5	ug/L	71	77	8	70-130	30
trans-1,3-Dichloropropene	5	ug/L	86	**68***	24	70-130	30

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **29 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Ethylbenzene	5	ug/L	101	103	2	70-130	30
Ethyl ether	5	ug/L	100	102	2	70-130	30
Hexachlorobutadiene	5	ug/L	89	87	3	70-130	30
Isopropylbenzene	5	ug/L	87	86	1	70-130	30
p-Isopropyltoluene	5	ug/L	79	79	0	70-130	30
Methylene chloride	5	ug/L	96	97	1	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	73	83	13	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	82	88	7	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	94	97	3	70-130	30
Naphthalene	5	ug/L	**65***	**68***	5	70-130	30
n-Propylbenzene	5	ug/L	86	85	1	70-130	30
Styrene	5	ug/L	87	87	0	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	104	102	1	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	100	101	1	70-130	30
Tetrachloroethene	5	ug/L	99	98	2	70-130	30
Tetrahydrofuran (THF)	5	ug/L	70	80	14	70-130	30
Toluene	5	ug/L	100	97	4	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	80	82	2	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	80	81	1	70-130	30
1,1,1-Trichloroethane	5	ug/L	98	102	4	70-130	30
1,1,2-Trichloroethane	5	ug/L	103	94	9	70-130	30
Trichloroethene (TCE)	5	ug/L	102	101	2	70-130	30
Trichlorofluoromethane	5	ug/L	101	104	3	70-130	30
1,2,3-Trichloropropane	5	ug/L	99	101	2	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	102	97	5	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	86	86	1	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	85	84	1	70-130	30
Vinyl chloride	5	ug/L	119	105	12	70-130	30

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325815**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **30 of 30**

Samples: 200810159 - 200810163

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
-	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
o-Xylene	5	ug/L	94	94	0	70-130	30
p&m-Xylene	5	ug/L	89	89	1	70-130	30

MDH Chain of Custody

Minnesota Department of Health
Chemical Laboratory
717 Delaware Street S.E.
Minneapolis, Minnesota 55440

Public Health Laboratory

MDH 1000 № 21773

Client/Agency: City of St Louis Park

Project Name: Reilly

Site ID:

Program Code (2 letters): PL

Contact Name: Nile Fellows (MNPCA)

Contact Phone #: 651-296-7299

Report to: MPCA

Potential Hazard: Yes/No/Unknown (Circle One)

If Yes: Chemical/Biological/Other_____(Circle One)

Standard/Civil/Criminal Chain of Custody (Circle One)

Sampled By (Print): Miako Ushio

Affiliation: ENSR Corporation

Sampler Signature: Miako Ushio

Phone: (952) 924-0117

ORIGINAL

Item #	Field ID	Sample Source/Point	Collection Date MM/DD/YYYY	Time (24 Hour Clock)	MDH Sample Number (Lab Use Only)	Matrix	General (None)	Nutrient (H2SO4)	Metals (HNO3)	VOC	Semivol	DRO	GRO
1	20811238	W24-050508	05/05/2008	1510		GW				3			
2	239	W23-050508	↓	1115		↓				↓			
3	240	W105-050508	↓	1200		↓				↓			
4	241	W33R-050508	↓	1130		↓				↓			
5	242	SLP10-050508	↓	1340		↓				↓			
6	243	W412-050608	05/06/08	1630		↓				↓			
7	244	W411-050608	↓	1040		↓				↓			
8	245	W133-050608	↓	1135		↓				↓			
9	246	W122-050608	↓	1535		↓				↓			
10	247	trip blank											

SAMPLER COMMENTS:

RECEIVING COMMENTS:

LAB TEMP 2 C

SEAL INTACT: YES / NO

ITEM NO.	RELINQUISHED BY/AFFIALIATION		TIME	DATE	ACCEPTED BY/AFFIALIATION	TIME	DATE
	[illegible]	ENSR	1600	5/7/08			
	N. Fellows	MPCA	9:30	5/9/08	[illegible]	10:07	5-9-08

White Lab Copy Yellow Client Copy Pink Submitter Copy

MINNESOTA MDH DEPARTMENT OF HEALTH

Protecting, maintaining and improving the health of all Minnesotans

Report Date: 06-JUN-2008

Client Name: MPCA-GW & SW
Project Code: PL
Project Name: MPCA-32 METRO MERLA-SF

Samples: 200811238 — 200811247

Report To: Bill Scruton
MPCA-GW & SW
520 Lafayette Rd.
St. Paul, MN 55155

The MDH Public Health Laboratory performs chemical, bacteriological and radiological analyses of environmental samples including water, waste water, sediment, air, soil and hazardous material. The laboratory provides testing services in accordance with standard operating procedures referencing approved methodology and defined in Standard Methods for the Examination of Water and Wastewater, Test Methods for Evaluating Solid Waster, Physical/Chemical Methods:EPA SW-846, and 40 Code of Federal Regulation (CFR) parts 136, 141, and 261. In cases where analytes of interest do not have corresponding EPA approved methodology, the MDH Public Health Laboratory uses in-house methods that have undergone rigorous validation and documentation.

The results within this report are in compliance with the terms and conditions stated in the standard operation procedures, reference methodologies, and quality assurance project plan; unless otherwise narrated in the attached report.

Release of the data contained in this report has been authorized by laboratory management and is verified with the following signature affirmation. Thank you for using the MDH Public Health Laboratory. If you have any questions regarding this report, please call us at 651.201.5300.

Sincerely,

Suzanne Skorich
Environmental Laboratory, Quality Assurance Officer

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **1 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811238**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	1510	20811238	W24-050508

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**97**	**70-130**	**% Recovery**	**13-MAY-08 21:38**
Dibromofluoromethane (surrogate)		**99**	**70-130**	**% Recovery**	**13-MAY-08 21:38**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**13-MAY-08 21:38**
1,2-Dichloroethane-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**13-MAY-08 21:38**
Toluene-D8 (surrogate)		**110**	**70-130**	**% Recovery**	**13-MAY-08 21:38**
Acetone	QR <	20	20	ug/L	13-MAY-08 21:38
Allyl chloride	<	0.5	0.5	ug/L	13-MAY-08 21:38
Benzene		**0.4**	**0.2**	**ug/L**	**13-MAY-08 21:38**
Bromobenzene	<	0.2	0.2	ug/L	13-MAY-08 21:38
Bromochloromethane	<	0.5	0.5	ug/L	13-MAY-08 21:38
Bromodichloromethane	<	0.2	0.2	ug/L	13-MAY-08 21:38
Bromoform	<	0.5	0.5	ug/L	13-MAY-08 21:38
Bromomethane	<	1.0	1.0	ug/L	13-MAY-08 21:38
n-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
sec-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
tert-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
Carbon tetrachloride	<	0.2	0.2	ug/L	13-MAY-08 21:38
Chlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 21:38
Chlorodibromomethane	<	0.5	0.5	ug/L	13-MAY-08 21:38
Chloroethane	<	0.5	0.5	ug/L	13-MAY-08 21:38
Chloroform	<	0.1	0.1	ug/L	13-MAY-08 21:38
Chloromethane	<	1.0	1.0	ug/L	13-MAY-08 21:38
2-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 21:38
4-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	13-MAY-08 21:38
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	13-MAY-08 21:38

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **2 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811238**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1510**	**20811238**	**W24-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	13-MAY-08 21:3
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 21:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 21:3
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 21:3
Dichlorodifluoromethane	<	1.0	1.0	ug/L	13-MAY-08 21:
1,1-Dichloroethane		**0.6**	**0.2**	**ug/L**	**13-MAY-08 21:**
1,2-Dichloroethane	<	0.2	0.2	ug/L	13-MAY-08 21:3
1,1-Dichloroethene	<	0.5	0.5	ug/L	13-MAY-08 21:
cis-1,2-Dichloroethene		**7.5**	**0.2**	**ug/L**	**13-MAY-08 21:**
trans-1,2-Dichloroethene		**0.5**	**0.1**	**ug/L**	**13-MAY-08 21:3**
Dichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 21:3
1,2-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 21:
1,3-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 21:3
2,2-Dichloropropane	<	0.5	0.5	ug/L	13-MAY-08 21:3
1,1-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 21:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 21:
trans-1,3-Dichloropropene	QR <	0.2	0.2	ug/L	13-MAY-08 21:3
Ethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:
Ethyl ether	<	2.0	2.0	ug/L	13-MAY-08 21:
Hexachlorobutadiene	<	1.0	1.0	ug/L	13-MAY-08 21:3
Isopropylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:3
p-Isopropyltoluene	<	0.5	0.5	ug/L	13-MAY-08 21:
Methylene chloride	<	0.5	0.5	ug/L	13-MAY-08 21:3
Methyl ethyl ketone (MEK)	<	10	10	ug/L	13-MAY-08 21:3
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	13-MAY-08 21:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	13-MAY-08 21:

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **3 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811238**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1510**	**20811238**	**W24-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	13-MAY-08 21:38
n-Propylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
Styrene	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 21:38
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 21:38
Tetrachloroethene	<	0.2	0.2	ug/L	13-MAY-08 21:38
Tetrahydrofuran (THF)	QR <	10	10	ug/L	13-MAY-08 21:38
Toluene	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	13-MAY-08 21:38
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 21:38
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 21:38
Trichloroethene (TCE)		**0.3**	**0.1**	**ug/L**	**13-MAY-08 21:38**
Trichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	13-MAY-08 21:38
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 21:38
Vinyl chloride		**1.4**	**0.2**	**ug/L**	**13-MAY-08 21:38**
o-Xylene	<	0.2	0.2	ug/L	13-MAY-08 21:38
p&m-Xylene	<	0.3	0.3	ug/L	13-MAY-08 21:38

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **4 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811239**

Receiving Comments: **The time listed on the bottle is "12:55"**

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1115**	**20811239**	**W23-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**97**	**70-130**	**% Recovery**	**13-MAY-08 23:**
Dibromofluoromethane (surrogate)		**99**	**70-130**	**% Recovery**	**13-MAY-08 23:**
1,2-Dichlorobenzene-D4 (surrogate)		**107**	**70-130**	**% Recovery**	**13-MAY-08 23:3**
1,2-Dichloroethane-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**13-MAY-08 23:**
Toluene-D8 (surrogate)		**109**	**70-130**	**% Recovery**	**13-MAY-08 23:**
Acetone	QR <	20	20	ug/L	13-MAY-08 23:3
Allyl chloride	<	0.5	0.5	ug/L	13-MAY-08 23:
Benzene		**1.2**	**0.2**	**ug/L**	**13-MAY-08 23:**
Bromobenzene	<	0.2	0.2	ug/L	13-MAY-08 23:3
Bromochloromethane	<	0.5	0.5	ug/L	13-MAY-08 23:3
Bromodichloromethane	<	0.2	0.2	ug/L	13-MAY-08 23:
Bromoform	<	0.5	0.5	ug/L	13-MAY-08 23:
Bromomethane	<	1.0	1.0	ug/L	13-MAY-08 23:3
n-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:
sec-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:
tert-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:3
Carbon tetrachloride	<	0.2	0.2	ug/L	13-MAY-08 23:
Chlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 23:
Chlorodibromomethane	<	0.5	0.5	ug/L	13-MAY-08 23:3
Chloroethane	<	0.5	0.5	ug/L	13-MAY-08 23:3
Chloroform	<	0.1	0.1	ug/L	13-MAY-08 23:
Chloromethane	<	1.0	1.0	ug/L	13-MAY-08 23:
2-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 23:3
4-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 23:
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	13-MAY-08 23:

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **5 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811239**

Receiving Comments: **The time listed on the bottle is "12:55"**

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1115**	**20811239**	**W23-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	13-MAY-08 23:33
Dibromomethane	<	0.5	0.5	ug/L	13-MAY-08 23:33
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 23:33
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 23:33
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 23:33
Dichlorodifluoromethane	J	**0.7**	**1.0**	**ug/L**	**13-MAY-08 23:33**
1,1-Dichloroethane		**0.9**	**0.2**	**ug/L**	**13-MAY-08 23:33**
1,2-Dichloroethane		**0.3**	**0.2**	**ug/L**	**13-MAY-08 23:33**
1,1-Dichloroethene	J	**0.4**	**0.5**	**ug/L**	**13-MAY-08 23:33**
cis-1,2-Dichloroethene		**40**	**0.2**	**ug/L**	**13-MAY-08 23:33**
trans-1,2-Dichloroethene		**1.9**	**0.1**	**ug/L**	**13-MAY-08 23:33**
Dichlorofluoromethane		**1.6**	**0.5**	**ug/L**	**13-MAY-08 23:33**
1,2-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 23:33
1,3-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 23:33
2,2-Dichloropropane	<	0.5	0.5	ug/L	13-MAY-08 23:33
1,1-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 23:33
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 23:33
trans-1,3-Dichloropropene	QR <	0.2	0.2	ug/L	13-MAY-08 23:33
Ethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:33
Ethyl ether	<	2.0	2.0	ug/L	13-MAY-08 23:33
Hexachlorobutadiene	<	1.0	1.0	ug/L	13-MAY-08 23:33
Isopropylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:33
p-Isopropyltoluene	<	0.5	0.5	ug/L	13-MAY-08 23:33
Methylene chloride	<	0.5	0.5	ug/L	13-MAY-08 23:33
Methyl ethyl ketone (MEK)	<	10	10	ug/L	13-MAY-08 23:33

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **6 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811239**

Receiving Comments: **The time listed on the bottle is "12:55"**

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1115**	**20811239**	**W23-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	13-MAY-08 23:[illegible]
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	13-MAY-08 23:3[illegible]
Naphthalene	QR <	1.0	1.0	ug/L	13-MAY-08 23:3[illegible]
n-Propylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:[illegible]
Styrene	<	0.5	0.5	ug/L	13-MAY-08 23:3[illegible]
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 23:3[illegible]
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 23:[illegible]
Tetrachloroethene	<	0.2	0.2	ug/L	13-MAY-08 23:[illegible]
Tetrahydrofuran (THF)	<	10	10	ug/L	13-MAY-08 23:3[illegible]
Toluene	<	0.5	0.5	ug/L	13-MAY-08 23:[illegible]
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	13-MAY-08 23:[illegible]
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	13-MAY-08 23:3[illegible]
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 23:3[illegible]
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 23:[illegible]
Trichloroethene (TCE)		**0.9**	**0.1**	**ug/L**	**13-MAY-08 23:[illegible]**
Trichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 23:3[illegible]
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	13-MAY-08 23:[illegible]
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	13-MAY-08 23:[illegible]
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:3[illegible]
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 23:[illegible]
Vinyl chloride		**3.8**	**0.2**	**ug/L**	**13-MAY-08 23:[illegible]**
o-Xylene	<	0.2	0.2	ug/L	13-MAY-08 23:3[illegible]
p&m-Xylene	<	0.3	0.3	ug/L	13-MAY-08 23:3[illegible]

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **7 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811240**

Receiving Comments: **The time listed on the bottle is "13:00"**

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1200**	**20811240**	**W105-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**98**	**70-130**	**% Recovery**	**14-MAY-08 00:02**
Dibromofluoromethane (surrogate)		**95**	**70-130**	**% Recovery**	**14-MAY-08 00:02**
1,2-Dichlorobenzene-D4 (surrogate)		**107**	**70-130**	**% Recovery**	**14-MAY-08 00:02**
1,2-Dichloroethane-D4 (surrogate)		**100**	**70-130**	**% Recovery**	**14-MAY-08 00:02**
Toluene-D8 (surrogate)		**88**	**70-130**	**% Recovery**	**14-MAY-08 00:02**
Acetone	QR <	20	20	ug/L	14-MAY-08 00:02
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 00:02
Benzene		**1.2**	**0.2**	**ug/L**	**14-MAY-08 00:02**
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:02
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 00:02
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 00:02
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 00:02
Bromomethane	<	1.0	1.0	ug/L	14-MAY-08 00:02
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 00:02
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:02
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 00:02
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 00:02
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 00:02
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 00:02
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 00:02
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 00:02

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **8 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811240**

Receiving Comments: **The time listed on the bottle is "13:00"**

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1200**	**20811240**	**W105-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
1,2-Dibromoethane (EDB)		<	0.5	0.5	ug/L	14-MAY-08 00:
Dibromomethane		<	0.5	0.5	ug/L	14-MAY-08 00:02
1,2-Dichlorobenzene		<	0.2	0.2	ug/L	14-MAY-08 00:02
1,3-Dichlorobenzene		<	0.2	0.2	ug/L	14-MAY-08 00:
1,4-Dichlorobenzene		<	0.2	0.2	ug/L	14-MAY-08 00:
Dichlorodifluoromethane	J		**0.6**	**1.0**	**ug/L**	**14-MAY-08 00:02**
1,1-Dichloroethane			**0.8**	**0.2**	**ug/L**	**14-MAY-08 00:**
1,2-Dichloroethane			**0.2**	**0.2**	**ug/L**	**14-MAY-08 00:**
1,1-Dichloroethene	J		**0.3**	**0.5**	**ug/L**	**14-MAY-08 00:02**
cis-1,2-Dichloroethene			**35**	**0.2**	**ug/L**	**14-MAY-08 00:02**
trans-1,2-Dichloroethene			**1.6**	**0.1**	**ug/L**	**14-MAY-08 00:**
Dichlorofluoromethane			**1.4**	**0.5**	**ug/L**	**14-MAY-08 00:02**
1,2-Dichloropropane		<	0.2	0.2	ug/L	14-MAY-08 00:02
1,3-Dichloropropane		<	0.2	0.2	ug/L	14-MAY-08 00:
2,2-Dichloropropane		<	0.5	0.5	ug/L	14-MAY-08 00:
1,1-Dichloropropene		<	0.2	0.2	ug/L	14-MAY-08 00:02
cis-1,3-Dichloropropene		<	0.2	0.2	ug/L	14-MAY-08 00:
trans-1,3-Dichloropropene	QR	<	0.2	0.2	ug/L	14-MAY-08 00:
Ethylbenzene		<	0.5	0.5	ug/L	14-MAY-08 00:02
Ethyl ether		<	2.0	2.0	ug/L	14-MAY-08 00:02
Hexachlorobutadiene		<	1.0	1.0	ug/L	14-MAY-08 00:
Isopropylbenzene		<	0.5	0.5	ug/L	14-MAY-08 00:02
p-Isopropyltoluene		<	0.5	0.5	ug/L	14-MAY-08 00:02
Methylene chloride		<	0.5	0.5	ug/L	14-MAY-08 00:
Methyl ethyl ketone (MEK)		<	10	10	ug/L	14-MAY-08 00:

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **9 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811240**

Receiving Comments: **The time listed on the bottle is "13:00"**

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1200**	**20811240**	**W105-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 00:02
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 00:02
Naphthalene	QR <	1.0	1.0	ug/L	14-MAY-08 00:02
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
Styrene	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:02
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:02
Tetrachloroethene	<	0.2	0.2	ug/L	14-MAY-08 00:02
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 00:02
Toluene	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 00:02
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:02
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:02
Trichloroethene (TCE)		**0.8**	**0.1**	**ug/L**	**14-MAY-08 00:02**
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 00:02
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:02
Vinyl chloride		**6.6**	**0.2**	**ug/L**	**14-MAY-08 00:02**
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 00:02
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 00:02

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811241**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1130**	**20811241**	**W33R-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**102**	**70-130**	**% Recovery**	**14-MAY-08 00:30**
Dibromofluoromethane (surrogate)		**100**	**70-130**	**% Recovery**	**14-MAY-08 00:**
1,2-Dichlorobenzene-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**14-MAY-08 00:30**
1,2-Dichloroethane-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**14-MAY-08 00:30**
Toluene-D8 (surrogate)		**109**	**70-130**	**% Recovery**	**14-MAY-08 00:**
Acetone	QR <	20	20	ug/L	14-MAY-08 00:
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 00:30
Benzene	<	0.2	0.2	ug/L	14-MAY-08 00:
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 00:30
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 00:30
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 00:
Bromomethane	<	1.0	1.0	ug/L	14-MAY-08 00:30
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:30
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 00:30
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 00:
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 00:30
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 00:30
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 00:
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 00:
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 00:
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	14-MAY-08 00:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **11 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811241**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1130**	**20811241**	**W33R-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:30
Dichlorodifluoromethane	<	1.0	1.0	ug/L	14-MAY-08 00:30
1,1-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,2-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,1-Dichloroethene	<	0.5	0.5	ug/L	14-MAY-08 00:30
cis-1,2-Dichloroethene		**1.1**	**0.2**	**ug/L**	**14-MAY-08 00:30**
trans-1,2-Dichloroethene	**J**	**0.09**	**0.1**	**ug/L**	**14-MAY-08 00:30**
Dichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,2-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,3-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 00:30
2,2-Dichloropropane	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,1-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 00:30
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 00:30
trans-1,3-Dichloropropene	QR <	0.2	0.2	ug/L	14-MAY-08 00:30
Ethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:30
Ethyl ether	<	2.0	2.0	ug/L	14-MAY-08 00:30
Hexachlorobutadiene	<	1.0	1.0	ug/L	14-MAY-08 00:30
Isopropylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:30
p-Isopropyltoluene	<	0.5	0.5	ug/L	14-MAY-08 00:30
Methylene chloride	<	0.5	0.5	ug/L	14-MAY-08 00:30
Methyl ethyl ketone (MEK)	<	10	10	ug/L	14-MAY-08 00:30
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 00:30
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 00:30

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **12 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811241**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1130**	**20811241**	**W33R-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	14-MAY-08 00:30
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:[illegible]
Styrene	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:[illegible]
Tetrachloroethene		**3.3**	**0.2**	**ug/L**	**14-MAY-08 00:[illegible]**
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 00:30
Toluene	<	0.5	0.5	ug/L	14-MAY-08 00:[illegible]
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 00:[illegible]
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:30
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:[illegible]
Trichloroethene (TCE)		**1.3**	**0.1**	**ug/L**	**14-MAY-08 00:30**
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 00:[illegible]
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 00:[illegible]
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:30
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:[illegible]
Vinyl chloride	<	0.2	0.2	ug/L	14-MAY-08 00:[illegible]
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 00:30
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 00:30

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **13 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811242**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1340**	**20811242**	**SLPIO-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**99**	**70-130**	**% Recovery**	**14-MAY-08 00:59**
Dibromofluoromethane (surrogate)		**98**	**70-130**	**% Recovery**	**14-MAY-08 00:59**
1,2-Dichlorobenzene-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**14-MAY-08 00:59**
1,2-Dichloroethane-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**14-MAY-08 00:59**
Toluene-D8 (surrogate)		**108**	**70-130**	**% Recovery**	**14-MAY-08 00:59**
Acetone	QR <	20	20	ug/L	14-MAY-08 00:59
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 00:59
Benzene		**0.4**	**0.2**	**ug/L**	**14-MAY-08 00:59**
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:59
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 00:59
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 00:59
Bromomethane	<	1.0	1.0	ug/L	14-MAY-08 00:59
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 00:59
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:59
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 00:59
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 00:59
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 00:59
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 00:59
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 00:59
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 00:59
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	14-MAY-08 00:59

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **14 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811242**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1340**	**20811242**	**SLPIO-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:5
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:59
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 00:59
Dichlorodifluoromethane	<	1.0	1.0	ug/L	14-MAY-08 00:5
1,1-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:5
1,2-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
1,1-Dichloroethene	<	0.5	0.5	ug/L	14-MAY-08 00:5
cis-1,2-Dichloroethene		**2.0**	**0.2**	**ug/L**	**14-MAY-08 00:5**
trans-1,2-Dichloroethene		**1.1**	**0.1**	**ug/L**	**14-MAY-08 00:59**
Dichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,2-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 00:5
1,3-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 00:59
2,2-Dichloropropane	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,1-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 00:5
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 00:5
trans-1,3-Dichloropropene	QR <	0.2	0.2	ug/L	14-MAY-08 00:59
Ethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:5
Ethyl ether	<	2.0	2.0	ug/L	14-MAY-08 00:5
Hexachlorobutadiene	<	1.0	1.0	ug/L	14-MAY-08 00:59
Isopropylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
p-Isopropyltoluene	<	0.5	0.5	ug/L	14-MAY-08 00:5
Methylene chloride	<	0.5	0.5	ug/L	14-MAY-08 00:59
Methyl ethyl ketone (MEK)	<	10	10	ug/L	14-MAY-08 00:59
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 00:5
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 00:5

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811242**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
05-MAY-2008	**1340**	**20811242**	**SLPIO-050508**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: *ORGANIC CHEMISTRY* Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	14-MAY-08 00:59
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
Styrene	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
Tetrachloroethene	<	0.2	0.2	ug/L	14-MAY-08 00:59
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 00:59
Toluene	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 00:59
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
Trichloroethene (TCE)		**0.2**	**0.1**	**ug/L**	**14-MAY-08 00:59**
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 00:59
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 00:59
Vinyl chloride	<	0.2	0.2	ug/L	14-MAY-08 00:59
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 00:59
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 00:59

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **16 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811243**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1630**	**20811243**	**W412-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**99**	**70-130**	**% Recovery**	**14-MAY-08 08:37**
Dibromofluoromethane (surrogate)		**99**	**70-130**	**% Recovery**	**14-MAY-08 08:**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**14-MAY-08 08:**
1,2-Dichloroethane-D4 (surrogate)		**101**	**70-130**	**% Recovery**	**14-MAY-08 08:37**
Toluene-D8 (surrogate)		**105**	**70-130**	**% Recovery**	**14-MAY-08 08:**
Acetone	QR <	20	20	ug/L	14-MAY-08 08:
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 08:37
Benzene	**J**	**0.1**	**0.2**	**ug/L**	**14-MAY-08 08:**
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 08:
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 08:37
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 08:37
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 08:
Bromomethane	QR <	1.0	1.0	ug/L	14-MAY-08 08:
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:37
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 08:37
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 08:
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 08:
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 08:37
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 08:37
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 08:
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 08:
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 08:37
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 08:
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	14-MAY-08 08:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **17 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811243**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	1630	20811243	W412-050608

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	14-MAY-08 08:37
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 08:37
Dichlorodifluoromethane	<	1.0	1.0	ug/L	14-MAY-08 08:37
1,1-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,2-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,1-Dichloroethene	<	0.5	0.5	ug/L	14-MAY-08 08:37
cis-1,2-Dichloroethene		**0.6**	**0.2**	**ug/L**	**14-MAY-08 08:37**
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	14-MAY-08 08:37
Dichlorofluoromethane	**J**	**0.4**	**0.5**	**ug/L**	**14-MAY-08 08:37**
1,2-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,3-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 08:37
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	14-MAY-08 08:37
1,1-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 08:37
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 08:37
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 08:37
Ethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:37
Ethyl ether	<	2.0	2.0	ug/L	14-MAY-08 08:37
Hexachlorobutadiene	<	1.0	1.0	ug/L	14-MAY-08 08:37
Isopropylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:37
p-Isopropyltoluene	<	0.5	0.5	ug/L	14-MAY-08 08:37
Methylene chloride	<	0.5	0.5	ug/L	14-MAY-08 08:37
Methyl ethyl ketone (MEK)	<	10	10	ug/L	14-MAY-08 08:37
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 08:37
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 08:37

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811243**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1630**	**20811243**	**W412-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	14-MAY-08 08:37
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:
Styrene	<	0.5	0.5	ug/L	14-MAY-08 08:
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 08:
Tetrachloroethene	<	0.2	0.2	ug/L	14-MAY-08 08:
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 08:37
Toluene	<	0.5	0.5	ug/L	14-MAY-08 08:
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 08:
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 08:37
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 08:37
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 08:
Trichloroethene (TCE)	<	0.1	0.1	ug/L	14-MAY-08 08:
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 08:37
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 08:
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 08:
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:37
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 08:
Vinyl chloride	<	0.2	0.2	ug/L	14-MAY-08 08:
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 08:37
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 08:37

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811244**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1040**	**20811244**	**W411-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**93**	**70-130**	**% Recovery**	**14-MAY-08 09:06**
Dibromofluoromethane (surrogate)		**100**	**70-130**	**% Recovery**	**14-MAY-08 09:06**
1,2-Dichlorobenzene-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**14-MAY-08 09:06**
1,2-Dichloroethane-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**14-MAY-08 09:06**
Toluene-D8 (surrogate)		**110**	**70-130**	**% Recovery**	**14-MAY-08 09:06**
Acetone	QR <	20	20	ug/L	14-MAY-08 09:06
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 09:06
Benzene		**0.2**	**0.2**	**ug/L**	**14-MAY-08 09:06**
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 09:06
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 09:06
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 09:06
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 09:06
Bromomethane	QR <	1.0	1.0	ug/L	14-MAY-08 09:06
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 09:06
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 09:06
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 09:06
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 09:06
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 09:06
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 09:06
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 09:06
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 09:06
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	14-MAY-08 09:06

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **20 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811244**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1040**	**20811244**	**W411-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	14-MAY-08 09:0
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 09:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 09:
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 09:0
Dichlorodifluoromethane	<	1.0	1.0	ug/L	14-MAY-08 09:
1,1-Dichloroethane		**0.2**	**0.2**	**ug/L**	**14-MAY-08 09:**
1,2-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 09:0
1,1-Dichloroethene	<	0.5	0.5	ug/L	14-MAY-08 09:0
cis-1,2-Dichloroethene	<	0.2	0.2	ug/L	14-MAY-08 09:
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	14-MAY-08 09:0
Dichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 09:0
1,2-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 09:
1,3-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 09:
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	14-MAY-08 09:0
1,1-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 09:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 09:
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 09:0
Ethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:0
Ethyl ether	<	2.0	2.0	ug/L	14-MAY-08 09:
Hexachlorobutadiene	<	1.0	1.0	ug/L	14-MAY-08 09:0
Isopropylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:0
p-Isopropyltoluene	<	0.5	0.5	ug/L	14-MAY-08 09:
Methylene chloride	<	0.5	0.5	ug/L	14-MAY-08 09:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	14-MAY-08 09:0
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 09:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 09:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811244**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1040**	**20811244**	**W411-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	14-MAY-08 09:06
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
Styrene	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 09:06
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 09:06
Tetrachloroethene	<	0.2	0.2	ug/L	14-MAY-08 09:06
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 09:06
Toluene	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 09:06
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 09:06
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 09:06
Trichloroethene (TCE)	<	0.1	0.1	ug/L	14-MAY-08 09:06
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 09:06
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 09:06
Vinyl chloride		**1.1**	**0.2**	**ug/L**	**14-MAY-08 09:06**
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 09:06
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 09:06

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811245**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1135**	**20811245**	**W133-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**94**	**70-130**	**% Recovery**	**19-MAY-08 16:12**
Dibromofluoromethane (surrogate)		**104**	**70-130**	**% Recovery**	**19-MAY-08 16:**
1,2-Dichlorobenzene-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**19-MAY-08 16:**
1,2-Dichloroethane-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**19-MAY-08 16:12**
Toluene-D8 (surrogate)		**98**	**70-130**	**% Recovery**	**19-MAY-08 16:**
Acetone	<	20	20	ug/L	19-MAY-08 16:
Allyl chloride	<	0.5	0.5	ug/L	19-MAY-08 16:12
Benzene	<	0.2	0.2	ug/L	19-MAY-08 16:
Bromobenzene	<	0.2	0.2	ug/L	19-MAY-08 16:
Bromochloromethane	<	0.5	0.5	ug/L	19-MAY-08 16:12
Bromodichloromethane	<	0.2	0.2	ug/L	19-MAY-08 16:12
Bromoform	<	0.5	0.5	ug/L	19-MAY-08 16:
Bromomethane	QR <	1.0	1.0	ug/L	19-MAY-08 16:
n-Butylbenzene	QR <	0.5	0.5	ug/L	19-MAY-08 16:12
sec-Butylbenzene	<	0.5	0.5	ug/L	19-MAY-08 16:
tert-Butylbenzene	<	0.5	0.5	ug/L	19-MAY-08 16:
Carbon tetrachloride	<	0.2	0.2	ug/L	19-MAY-08 16:12
Chlorobenzene	<	0.2	0.2	ug/L	19-MAY-08 16:
Chlorodibromomethane	<	0.5	0.5	ug/L	19-MAY-08 16:
Chloroethane	<	0.5	0.5	ug/L	19-MAY-08 16:12
Chloroform	<	0.1	0.1	ug/L	19-MAY-08 16:12
Chloromethane	<	1.0	1.0	ug/L	19-MAY-08 16:
2-Chlorotoluene	<	0.5	0.5	ug/L	19-MAY-08 16:
4-Chlorotoluene	<	0.5	0.5	ug/L	19-MAY-08 16:12
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	19-MAY-08 16:
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	19-MAY-08 16:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **23 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811245**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1135**	**20811245**	**W133-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	19-MAY-08 16:12
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	19-MAY-08 16:12
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	19-MAY-08 16:12
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	19-MAY-08 16:12
Dichlorodifluoromethane	<	1.0	1.0	ug/L	19-MAY-08 16:12
1,1-Dichloroethane	<	0.2	0.2	ug/L	19-MAY-08 16:12
1,2-Dichloroethane	<	0.2	0.2	ug/L	19-MAY-08 16:12
1,1-Dichloroethene	<	0.5	0.5	ug/L	19-MAY-08 16:12
cis-1,2-Dichloroethene		**0.3**	**0.2**	**ug/L**	**19-MAY-08 16:12**
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	19-MAY-08 16:12
Dichlorofluoromethane	<	0.5	0.5	ug/L	19-MAY-08 16:12
1,2-Dichloropropane	<	0.2	0.2	ug/L	19-MAY-08 16:12
1,3-Dichloropropane	<	0.2	0.2	ug/L	19-MAY-08 16:12
2,2-Dichloropropane	<	0.5	0.5	ug/L	19-MAY-08 16:12
1,1-Dichloropropene	<	0.2	0.2	ug/L	19-MAY-08 16:12
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	19-MAY-08 16:12
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	19-MAY-08 16:12
Ethylbenzene	<	0.5	0.5	ug/L	19-MAY-08 16:12
Ethyl ether	<	2.0	2.0	ug/L	19-MAY-08 16:12
Hexachlorobutadiene	<	1.0	1.0	ug/L	19-MAY-08 16:12
Isopropylbenzene	<	0.5	0.5	ug/L	19-MAY-08 16:12
p-Isopropyltoluene	<	0.5	0.5	ug/L	19-MAY-08 16:12
Methylene chloride	<	0.5	0.5	ug/L	19-MAY-08 16:12
Methyl ethyl ketone (MEK)	<	10	10	ug/L	19-MAY-08 16:12
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	19-MAY-08 16:12
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	19-MAY-08 16:12

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811245**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1135**	**20811245**	**W133-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene	QR	<	1.0	1.0	ug/L	19-MAY-08 16:12
n-Propylbenzene		<	0.5	0.5	ug/L	19-MAY-08 16:1
Styrene		<	0.5	0.5	ug/L	19-MAY-08 16:12
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	19-MAY-08 16:12
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	19-MAY-08 16:1
Tetrachloroethene		<	0.2	0.2	ug/L	19-MAY-08 16:1
Tetrahydrofuran (THF)		<	10	10	ug/L	19-MAY-08 16:12
Toluene		<	0.5	0.5	ug/L	19-MAY-08 16:1
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	19-MAY-08 16:1
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	19-MAY-08 16:12
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	19-MAY-08 16:12
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	19-MAY-08 16:1
Trichloroethene (TCE)		<	0.1	0.1	ug/L	19-MAY-08 16:12
Trichlorofluoromethane		<	0.5	0.5	ug/L	19-MAY-08 16:12
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	19-MAY-08 16:1
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	19-MAY-08 16:1
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	19-MAY-08 16:12
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	19-MAY-08 16:1
Vinyl chloride	J		**0.15**	**0.2**	**ug/L**	**19-MAY-08 16:1**
o-Xylene		<	0.2	0.2	ug/L	19-MAY-08 16:12
p&m-Xylene		<	0.3	0.3	ug/L	19-MAY-08 16:12

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811246**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1535**	**20811246**	**W122-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**97**	**70-130**	**% Recovery**	**14-MAY-08 10:05**
Dibromofluoromethane (surrogate)		**97**	**70-130**	**% Recovery**	**14-MAY-08 10:05**
1,2-Dichlorobenzene-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**14-MAY-08 10:05**
1,2-Dichloroethane-D4 (surrogate)		**101**	**70-130**	**% Recovery**	**14-MAY-08 10:05**
Toluene-D8 (surrogate)		**110**	**70-130**	**% Recovery**	**14-MAY-08 10:05**
Acetone	QR <	20	20	ug/L	14-MAY-08 10:05
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 10:05
Benzene	<	0.2	0.2	ug/L	14-MAY-08 10:05
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:05
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 10:05
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 10:05
Bromomethane	QR <	1.0	1.0	ug/L	14-MAY-08 10:05
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 10:05
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:05
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 10:05
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 10:05
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 10:05
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 10:05
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 10:05
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 10:05
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	14-MAY-08 10:05

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: 326353

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811246**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1535**	**20811246**	**W122-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:05
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:05
Dichlorodifluoromethane	<	1.0	1.0	ug/L	14-MAY-08 10:
1,1-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:
1,2-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
1,1-Dichloroethene	<	0.5	0.5	ug/L	14-MAY-08 10:
cis-1,2-Dichloroethene	<	0.2	0.2	ug/L	14-MAY-08 10:
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	14-MAY-08 10:05
Dichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,2-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 10:
1,3-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 10:05
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	14-MAY-08 10:05
1,1-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 10:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 10:
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 10:05
Ethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:
Ethyl ether	<	2.0	2.0	ug/L	14-MAY-08 10:
Hexachlorobutadiene	<	1.0	1.0	ug/L	14-MAY-08 10:05
Isopropylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
p-Isopropyltoluene	<	0.5	0.5	ug/L	14-MAY-08 10:
Methylene chloride	<	0.5	0.5	ug/L	14-MAY-08 10:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	14-MAY-08 10:05
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 10:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 10:

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811246**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	**1535**	**20811246**	**W122-050608**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	14-MAY-08 10:05
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
Styrene	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
Tetrachloroethene	<	0.2	0.2	ug/L	14-MAY-08 10:05
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 10:05
Toluene	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 10:05
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
Trichloroethene (TCE)	<	0.1	0.1	ug/L	14-MAY-08 10:05
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 10:05
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:05
Vinyl chloride	<	0.2	0.2	ug/L	14-MAY-08 10:05
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 10:05
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 10:05

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811247(Trip Blank)**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	-	**20811247**	**TRIP BLANK**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**99**	**70-130**	**% Recovery**	**14-MAY-08 10:**
Dibromofluoromethane (surrogate)		**103**	**70-130**	**% Recovery**	**14-MAY-08 10:**
1,2-Dichlorobenzene-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**14-MAY-08 10:34**
1,2-Dichloroethane-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**14-MAY-08 10:34**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**14-MAY-08 10:**
Acetone	QR <	20	20	ug/L	14-MAY-08 10:
Allyl chloride	<	0.5	0.5	ug/L	14-MAY-08 10:34
Benzene	<	0.2	0.2	ug/L	14-MAY-08 10:
Bromobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:
Bromochloromethane	<	0.5	0.5	ug/L	14-MAY-08 10:34
Bromodichloromethane	<	0.2	0.2	ug/L	14-MAY-08 10:
Bromoform	<	0.5	0.5	ug/L	14-MAY-08 10:
Bromomethane	QR <	1.0	1.0	ug/L	14-MAY-08 10:34
n-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:34
sec-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:
tert-Butylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:
Carbon tetrachloride	<	0.2	0.2	ug/L	14-MAY-08 10:34
Chlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:
Chlorodibromomethane	<	0.5	0.5	ug/L	14-MAY-08 10:
Chloroethane	<	0.5	0.5	ug/L	14-MAY-08 10:34
Chloroform	<	0.1	0.1	ug/L	14-MAY-08 10:
Chloromethane	<	1.0	1.0	ug/L	14-MAY-08 10:
2-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 10:34
4-Chlorotoluene	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	14-MAY-08 10:
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	14-MAY-08 10:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811247 (Trip Blank)**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	-	**20811247**	**TRIP BLANK**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	14-MAY-08 10:34
Dichlorodifluoromethane	<	1.0	1.0	ug/L	14-MAY-08 10:34
1,1-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,2-Dichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,1-Dichloroethene	<	0.5	0.5	ug/L	14-MAY-08 10:34
cis-1,2-Dichloroethene	<	0.2	0.2	ug/L	14-MAY-08 10:34
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	14-MAY-08 10:34
Dichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,2-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,3-Dichloropropane	<	0.2	0.2	ug/L	14-MAY-08 10:34
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	14-MAY-08 10:34
1,1-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 10:34
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 10:34
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	14-MAY-08 10:34
Ethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:34
Ethyl ether	<	2.0	2.0	ug/L	14-MAY-08 10:34
Hexachlorobutadiene	<	1.0	1.0	ug/L	14-MAY-08 10:34
Isopropylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:34
p-Isopropyltoluene	<	0.5	0.5	ug/L	14-MAY-08 10:34
Methylene chloride	<	0.5	0.5	ug/L	14-MAY-08 10:34
Methyl ethyl ketone (MEK)	<	10	10	ug/L	14-MAY-08 10:34
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	14-MAY-08 10:34
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	14-MAY-08 10:34

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Program: **PL**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Sample No: **200811247(Trip Blank)**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
06-MAY-2008	-	**20811247**	**TRIP BLANK**

Trip Blank	Field Blank
200811247	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **06-JUN-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	14-MAY-08 10:34
n-Propylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:
Styrene	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:
Tetrachloroethene	<	0.2	0.2	ug/L	14-MAY-08 10:
Tetrahydrofuran (THF)	<	10	10	ug/L	14-MAY-08 10:34
Toluene	<	0.5	0.5	ug/L	14-MAY-08 10:
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	14-MAY-08 10:
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:34
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	14-MAY-08 10:
Trichloroethene (TCE)	<	0.1	0.1	ug/L	14-MAY-08 10:
Trichlorofluoromethane	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	14-MAY-08 10:
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	14-MAY-08 10:
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:34
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	14-MAY-08 10:
Vinyl chloride	<	0.2	0.2	ug/L	14-MAY-08 10:
o-Xylene	<	0.2	0.2	ug/L	14-MAY-08 10:34
p&m-Xylene	<	0.3	0.3	ug/L	14-MAY-08 10:34

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Program: **PL**
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Request Number: 326353

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Result Code Description

J The analyte was positively identified. The result is below the report level and is estimated.

QR *Response for this analyte in a continuing calibration verification standard* did not meet the QC acceptance criteria. The sample result for this analyte should be considered as estimated.

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.11 AN: 468

All samples analyzed in the batch

200810158, 200810161, 200810162, 200810163, 200810187, 200810236, 200810241, 200810355, 200810625, 200810626, 200810627, 200810934, 200811238

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time	Acceptable
200811238	05-MAY-08	13-MAY-08	8	14 DAYS	Y

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
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Date Received: **09-MAY-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		104	70-130
Dibromofluoromethane (surrogate)		101	70-130
1,2-Dichlorobenzene-D4 (surrogate)		103	70-130
1,2-Dichloroethane-D4 (surrogate)		103	70-130
Toluene-D8 (surrogate)		109	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		97	95	70-130
Dibromofluoromethane (surrogate)		100	101	70-130
1,2-Dichlorobenzene-D4 (surrogat		89	89	70-130
1,2-Dichloroethane-D4 (surrogate		101	101	70-130
Toluene-D8 (surrogate)		114	102	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	**0***	**19***	**200***	70-130	30
Allyl chloride	5	ug/L	96	95	0	70-130	30
Benzene	5	ug/L	100	102	2	70-130	30
Bromobenzene	5	ug/L	99	97	2	70-130	30
Bromochloromethane	5	ug/L	105	104	1	70-130	30
Bromodichloromethane	5	ug/L	103	94	9	70-130	30
Bromoform	5	ug/L	96	90	7	70-130	30
Bromomethane	5	ug/L	103	94	10	70-130	30
n-Butylbenzene	5	ug/L	75	75	1	70-130	30

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
sec-Butylbenzene	5	ug/L	83	84	1	70-130	30
tert-Butylbenzene	5	ug/L	79	80	0	70-130	30
Carbon tetrachloride	5	ug/L	99	98	1	70-130	30
Chlorobenzene	5	ug/L	99	98	1	70-130	30
Chlorodibromomethane	5	ug/L	102	97	5	70-130	30
Chloroethane	5	ug/L	121	117	4	70-130	30
Chloroform	5	ug/L	101	106	4	70-130	30
Chloromethane	5	ug/L	117	105	11	70-130	30
2-Chlorotoluene	5	ug/L	103	102	1	70-130	30
4-Chlorotoluene	5	ug/L	106	105	1	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	84	83	1	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	100	103	2	70-130	30
Dibromomethane	5	ug/L	103	103	1	70-130	30
1,2-Dichlorobenzene	5	ug/L	96	96	0	70-130	30
1,3-Dichlorobenzene	5	ug/L	99	97	2	70-130	30
1,4-Dichlorobenzene	5	ug/L	96	94	2	70-130	30
Dichlorodifluoromethane	5	ug/L	127	117	9	70-130	30
1,1-Dichloroethane	5	ug/L	100	105	5	70-130	30
1,2-Dichloroethane	5	ug/L	98	106	8	70-130	30
1,1-Dichloroethene	5	ug/L	99	98	1	70-130	30
cis-1,2-Dichloroethene	5	ug/L	99	98	1	70-130	30
trans-1,2-Dichloroethene	5	ug/L	100	101	1	70-130	30
Dichlorofluoromethane	5	ug/L	109	113	4	70-130	30
1,2-Dichloropropane	5	ug/L	103	99	4	70-130	30
1,3-Dichloropropane	5	ug/L	102	103	0	70-130	30
2,2-Dichloropropane	5	ug/L	99	87	12	70-130	30
1,1-Dichloropropene	5	ug/L	98	99	1	70-130	30
cis-1,3-Dichloropropene	5	ug/L	71	77	8	70-130	30

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
trans-1,3-Dichloropropene	5	ug/L	86	**68***	24	70-130	30
Ethylbenzene	5	ug/L	101	103	2	70-130	30
Ethyl ether	5	ug/L	100	102	2	70-130	30
Hexachlorobutadiene	5	ug/L	89	87	3	70-130	30
Isopropylbenzene	5	ug/L	87	86	1	70-130	30
p-Isopropyltoluene	5	ug/L	79	79	0	70-130	30
Methylene chloride	5	ug/L	96	97	1	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	73	83	13	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	82	88	7	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	94	97	3	70-130	30
Naphthalene	5	ug/L	**65***	**68***	5	70-130	30
n-Propylbenzene	5	ug/L	86	85	1	70-130	30
Styrene	5	ug/L	87	87	0	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	104	102	1	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	100	101	1	70-130	30
Tetrachloroethene	5	ug/L	99	98	2	70-130	30
Tetrahydrofuran (THF)	5	ug/L	70	80	14	70-130	30
Toluene	5	ug/L	100	97	4	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	80	82	2	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	80	81	1	70-130	30
1,1,1-Trichloroethane	5	ug/L	98	102	4	70-130	30
1,1,2-Trichloroethane	5	ug/L	103	94	9	70-130	30
Trichloroethene (TCE)	5	ug/L	102	101	2	70-130	30
Trichlorofluoromethane	5	ug/L	101	104	3	70-130	30
1,2,3-Trichloropropane	5	ug/L	99	101	2	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	102	97	5	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	86	86	1	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	85	84	1	70-130	30

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Program: **PL**
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Date Received: **09-MAY-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Vinyl chloride	5	ug/L	119	105	12	70-130	30
o-Xylene	5	ug/L	94	94	0	70-130	30
p&m-Xylene	5	ug/L	89	89	1	70-130	30

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Program: **PL**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.12 AN: 468

All samples analyzed in the batch

200810650, 200810919, 200810943, 200810944, 200810945, 200810946, 200810947, 200810948, 200810949, 200811239, 200811240, 200811241, 200811242

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time	Acceptable
200811239	05-MAY-08	13-MAY-08	8	14 DAYS	Y
200811240	05-MAY-08	14-MAY-08	9	14 DAYS	Y
200811241	05-MAY-08	14-MAY-08	9	14 DAYS	Y
200811242	05-MAY-08	14-MAY-08	9	14 DAYS	Y

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.12 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		99	70-130
Dibromofluoromethane (surrogate)		98	70-130
1,2-Dichlorobenzene-D4 (surrogate)		101	70-130
1,2-Dichloroethane-D4 (surrogate)		103	70-130
Toluene-D8 (surrogate)		108	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.12 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.12 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		95	88	70-130
Dibromofluoromethane (surrogate)		101	100	70-130
1,2-Dichlorobenzene-D4 (surrogat		89	87	70-130
1,2-Dichloroethane-D4 (surrogate		101	103	70-130
Toluene-D8 (surrogate)		102	113	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	**19***	**7***	**95***	70-130	30
Allyl chloride	5	ug/L	95	95	0	70-130	30
Benzene	5	ug/L	102	104	2	70-130	30
Bromobenzene	5	ug/L	97	94	4	70-130	30
Bromochloromethane	5	ug/L	104	106	2	70-130	30
Bromodichloromethane	5	ug/L	94	93	1	70-130	30
Bromoform	5	ug/L	90	78	14	70-130	30
Bromomethane	5	ug/L	94	82	13	70-130	30
n-Butylbenzene	5	ug/L	75	77	2	70-130	30

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Program: **PL**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.12 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
sec-Butylbenzene	5	ug/L	84	86	2	70-130	30
tert-Butylbenzene	5	ug/L	80	81	2	70-130	30
Carbon tetrachloride	5	ug/L	98	102	4	70-130	30
Chlorobenzene	5	ug/L	98	101	2	70-130	30
Chlorodibromomethane	5	ug/L	97	95	2	70-130	30
Chloroethane	5	ug/L	117	103	12	70-130	30
Chloroform	5	ug/L	106	107	1	70-130	30
Chloromethane	5	ug/L	105	98	7	70-130	30
2-Chlorotoluene	5	ug/L	102	99	2	70-130	30
4-Chlorotoluene	5	ug/L	105	106	1	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	83	88	6	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	103	106	3	70-130	30
Dibromomethane	5	ug/L	103	102	1	70-130	30
1,2-Dichlorobenzene	5	ug/L	96	95	1	70-130	30
1,3-Dichlorobenzene	5	ug/L	97	97	1	70-130	30
1,4-Dichlorobenzene	5	ug/L	94	94	0	70-130	30
Dichlorodifluoromethane	5	ug/L	117	109	7	70-130	30
1,1-Dichloroethane	5	ug/L	105	106	1	70-130	30
1,2-Dichloroethane	5	ug/L	106	106	0	70-130	30
1,1-Dichloroethene	5	ug/L	98	101	3	70-130	30
cis-1,2-Dichloroethene	5	ug/L	98	101	3	70-130	30
trans-1,2-Dichloroethene	5	ug/L	101	103	2	70-130	30
Dichlorofluoromethane	5	ug/L	113	104	8	70-130	30
1,2-Dichloropropane	5	ug/L	99	98	1	70-130	30
1,3-Dichloropropane	5	ug/L	103	107	4	70-130	30
2,2-Dichloropropane	5	ug/L	87	76	14	70-130	30
1,1-Dichloropropene	5	ug/L	99	100	2	70-130	30
cis-1,3-Dichloropropene	5	ug/L	77	80	4	70-130	30

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Program: **PL**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.12 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
trans-1,3-Dichloropropene	5	ug/L	**68***	82	19	70-130	30
Ethylbenzene	5	ug/L	103	110	7	70-130	30
Ethyl ether	5	ug/L	102	103	1	70-130	30
Hexachlorobutadiene	5	ug/L	87	87	0	70-130	30
Isopropylbenzene	5	ug/L	86	84	3	70-130	30
p-Isopropyltoluene	5	ug/L	79	79	1	70-130	30
Methylene chloride	5	ug/L	97	99	1	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	83	76	10	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	88	94	7	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	97	99	2	70-130	30
Naphthalene	5	ug/L	**68***	72	6	70-130	30
n-Propylbenzene	5	ug/L	85	85	0	70-130	30
Styrene	5	ug/L	87	94	7	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	102	107	4	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	101	98	2	70-130	30
Tetrachloroethene	5	ug/L	98	103	5	70-130	30
Tetrahydrofuran (THF)	5	ug/L	80	78	3	70-130	30
Toluene	5	ug/L	97	102	6	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	82	86	5	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	81	81	0	70-130	30
1,1,1-Trichloroethane	5	ug/L	102	105	2	70-130	30
1,1,2-Trichloroethane	5	ug/L	94	108	14	70-130	30
Trichloroethene (TCE)	5	ug/L	101	102	2	70-130	30
Trichlorofluoromethane	5	ug/L	104	98	5	70-130	30
1,2,3-Trichloropropane	5	ug/L	101	98	3	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	97	99	2	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	86	86	0	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	84	84	0	70-130	30

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.12 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Vinyl chloride	5	ug/L	105	99	6	70-130	30
o-Xylene	5	ug/L	94	102	8	70-130	30
p&m-Xylene	5	ug/L	89	94	6	70-130	30

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.13 AN: 468

All samples analyzed in the batch

200810913, 200810932, 200810933, 200810950, 200810953, 200810954, 200811093, 200811094, 200811097, 200811243, 200811244, 200811246, 200811247, 200811327

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time	Acceptable
200811243	06-MAY-08	14-MAY-08	8	14 DAYS	Y
200811244	06-MAY-08	14-MAY-08	8	14 DAYS	Y
200811246	06-MAY-08	14-MAY-08	8	14 DAYS	Y
200811247	06-MAY-08	14-MAY-08	8	14 DAYS	Y

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.13 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		104	70-130
Dibromofluoromethane (surrogate)		77	70-130
1,2-Dichlorobenzene-D4 (surrogate)		102	70-130
1,2-Dichloroethane-D4 (surrogate)		83	70-130
Toluene-D8 (surrogate)		111	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080513.13 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.13 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		88	103	70-130
Dibromofluoromethane (surrogate)		100	101	70-130
1,2-Dichlorobenzene-D4 (surrogat		87	88	70-130
1,2-Dichloroethane-D4 (surrogate		103	101	70-130
Toluene-D8 (surrogate)		113	114	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	**7***	**3***	**72***	70-130	30
Allyl chloride	5	ug/L	95	87	9	70-130	30
Benzene	5	ug/L	104	107	3	70-130	30
Bromobenzene	5	ug/L	94	106	13	70-130	30
Bromochloromethane	5	ug/L	106	107	2	70-130	30
Bromodichloromethane	5	ug/L	93	103	11	70-130	30
Bromoform	5	ug/L	78	96	21	70-130	30
Bromomethane	5	ug/L	82	**56***	**38***	70-130	30
n-Butylbenzene	5	ug/L	77	75	2	70-130	30

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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.13 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
sec-Butylbenzene	5	ug/L	86	86	0	70-130	30
tert-Butylbenzene	5	ug/L	81	88	8	70-130	30
Carbon tetrachloride	5	ug/L	102	105	3	70-130	30
Chlorobenzene	5	ug/L	101	101	1	70-130	30
Chlorodibromomethane	5	ug/L	95	97	2	70-130	30
Chloroethane	5	ug/L	103	107	4	70-130	30
Chloroform	5	ug/L	107	111	3	70-130	30
Chloromethane	5	ug/L	98	103	5	70-130	30
2-Chlorotoluene	5	ug/L	99	112	12	70-130	30
4-Chlorotoluene	5	ug/L	106	116	9	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	88	92	4	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	106	103	3	70-130	30
Dibromomethane	5	ug/L	102	108	5	70-130	30
1,2-Dichlorobenzene	5	ug/L	95	97	3	70-130	30
1,3-Dichlorobenzene	5	ug/L	97	100	3	70-130	30
1,4-Dichlorobenzene	5	ug/L	94	96	3	70-130	30
Dichlorodifluoromethane	5	ug/L	109	116	6	70-130	30
1,1-Dichloroethane	5	ug/L	106	108	2	70-130	30
1,2-Dichloroethane	5	ug/L	106	108	2	70-130	30
1,1-Dichloroethene	5	ug/L	101	95	7	70-130	30
cis-1,2-Dichloroethene	5	ug/L	101	102	1	70-130	30
trans-1,2-Dichloroethene	5	ug/L	103	100	3	70-130	30
Dichlorofluoromethane	5	ug/L	104	96	8	70-130	30
1,2-Dichloropropane	5	ug/L	98	104	6	70-130	30
1,3-Dichloropropane	5	ug/L	107	104	3	70-130	30
2,2-Dichloropropane	5	ug/L	76	**66***	14	70-130	30
1,1-Dichloropropene	5	ug/L	100	103	3	70-130	30
cis-1,3-Dichloropropene	5	ug/L	80	77	4	70-130	30

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **51 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.13 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
trans-1,3-Dichloropropene	5	ug/L	82	79	3	70-130	30
Ethylbenzene	5	ug/L	110	106	4	70-130	30
Ethyl ether	5	ug/L	103	89	14	70-130	30
Hexachlorobutadiene	5	ug/L	87	94	8	70-130	30
Isopropylbenzene	5	ug/L	84	95	12	70-130	30
p-Isopropyltoluene	5	ug/L	79	80	1	70-130	30
Methylene chloride	5	ug/L	99	93	6	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	76	80	5	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	94	87	8	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	99	90	9	70-130	30
Naphthalene	5	ug/L	72	72	1	70-130	30
n-Propylbenzene	5	ug/L	85	94	10	70-130	30
Styrene	5	ug/L	94	90	4	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	107	106	1	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	98	108	10	70-130	30
Tetrachloroethene	5	ug/L	103	102	0	70-130	30
Tetrahydrofuran (THF)	5	ug/L	78	80	3	70-130	30
Toluene	5	ug/L	102	105	2	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	86	90	5	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	81	87	7	70-130	30
1,1,1-Trichloroethane	5	ug/L	105	106	2	70-130	30
1,1,2-Trichloroethane	5	ug/L	108	104	4	70-130	30
Trichloroethene (TCE)	5	ug/L	102	104	2	70-130	30
Trichlorofluoromethane	5	ug/L	98	88	11	70-130	30
1,2,3-Trichloropropane	5	ug/L	98	108	10	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	99	92	8	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	86	94	9	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	84	92	9	70-130	30

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080513.13 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Vinyl chloride	5	ug/L	99	102	3	70-130	30
o-Xylene	5	ug/L	102	98	4	70-130	30
p&m-Xylene	5	ug/L	94	92	2	70-130	30

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080519.11 AN: 468

All samples analyzed in the batch

200810678, 200810679, 200810680, 200811245, 200812374, 200812375, 200812376, 200812377, 200812378, 200812379

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time	Acceptable
200811245	06-MAY-08	19-MAY-08	13	14 DAYS	Y

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **54 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	REILLY	MIAKO USHIO

Quality Control Batch ID: 20080519.11 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		95	70-130
Dibromofluoromethane (surrogate)		103	70-130
1,2-Dichlorobenzene-D4 (surrogate)		101	70-130
1,2-Dichloroethane-D4 (surrogate)		102	70-130
Toluene-D8 (surrogate)		106	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **55 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080519.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080519.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		90	89	70-130
Dibromofluoromethane (surrogate)		105	104	70-130
1,2-Dichlorobenzene-D4 (surrogat		88	89	70-130
1,2-Dichloroethane-D4 (surrogate		99	101	70-130
Toluene-D8 (surrogate)		108	108	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	90	110	20	70-130	30
Allyl chloride	5	ug/L	95	95	0	70-130	30
Benzene	5	ug/L	96	101	5	70-130	30
Bromobenzene	5	ug/L	97	99	2	70-130	30
Bromochloromethane	5	ug/L	105	110	5	70-130	30
Bromodichloromethane	5	ug/L	101	101	0	70-130	30
Bromoform	5	ug/L	101	96	5	70-130	30
Bromomethane	5	ug/L	84	**67***	22	70-130	30
n-Butylbenzene	5	ug/L	70	72	4	70-130	30

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
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Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080519.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
sec-Butylbenzene	5	ug/L	79	81	2	70-130	30
tert-Butylbenzene	5	ug/L	76	78	3	70-130	30
Carbon tetrachloride	5	ug/L	107	107	0	70-130	30
Chlorobenzene	5	ug/L	94	98	4	70-130	30
Chlorodibromomethane	5	ug/L	102	99	2	70-130	30
Chloroethane	5	ug/L	111	118	6	70-130	30
Chloroform	5	ug/L	101	106	4	70-130	30
Chloromethane	5	ug/L	82	88	8	70-130	30
2-Chlorotoluene	5	ug/L	91	95	5	70-130	30
4-Chlorotoluene	5	ug/L	94	99	4	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	80	80	0	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	98	102	4	70-130	30
Dibromomethane	5	ug/L	100	105	5	70-130	30
1,2-Dichlorobenzene	5	ug/L	93	97	4	70-130	30
1,3-Dichlorobenzene	5	ug/L	97	100	3	70-130	30
1,4-Dichlorobenzene	5	ug/L	94	97	4	70-130	30
Dichlorodifluoromethane	5	ug/L	98	101	3	70-130	30
1,1-Dichloroethane	5	ug/L	95	98	3	70-130	30
1,2-Dichloroethane	5	ug/L	97	102	4	70-130	30
1,1-Dichloroethene	5	ug/L	98	103	5	70-130	30
cis-1,2-Dichloroethene	5	ug/L	97	102	5	70-130	30
trans-1,2-Dichloroethene	5	ug/L	100	103	3	70-130	30
Dichlorofluoromethane	5	ug/L	104	109	4	70-130	30
1,2-Dichloropropane	5	ug/L	90	95	5	70-130	30
1,3-Dichloropropane	5	ug/L	91	96	6	70-130	30
2,2-Dichloropropane	5	ug/L	102	93	10	70-130	30
1,1-Dichloropropene	5	ug/L	97	99	3	70-130	30
cis-1,3-Dichloropropene	5	ug/L	77	76	1	70-130	30

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **58 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080519.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
trans-1,3-Dichloropropene	5	ug/L	80	78	3	70-130	30
Ethylbenzene	5	ug/L	95	98	2	70-130	30
Ethyl ether	5	ug/L	94	98	4	70-130	30
Hexachlorobutadiene	5	ug/L	95	96	0	70-130	30
Isopropylbenzene	5	ug/L	80	82	2	70-130	30
p-Isopropyltoluene	5	ug/L	75	78	3	70-130	30
Methylene chloride	5	ug/L	93	99	7	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	80	87	8	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	78	79	2	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	93	96	3	70-130	30
Naphthalene	5	ug/L	**69***	**69***	0	70-130	30
n-Propylbenzene	5	ug/L	78	80	2	70-130	30
Styrene	5	ug/L	84	87	3	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	103	103	0	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	89	92	3	70-130	30
Tetrachloroethene	5	ug/L	105	108	3	70-130	30
Tetrahydrofuran (THF)	5	ug/L	91	92	1	70-130	30
Toluene	5	ug/L	93	97	4	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	87	88	1	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	86	88	3	70-130	30
1,1,1-Trichloroethane	5	ug/L	106	106	0	70-130	30
1,1,2-Trichloroethane	5	ug/L	93	98	5	70-130	30
Trichloroethene (TCE)	5	ug/L	99	102	2	70-130	30
Trichlorofluoromethane	5	ug/L	106	108	2	70-130	30
1,2,3-Trichloropropane	5	ug/L	87	87	0	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	110	113	3	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	81	83	3	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	79	81	2	70-130	30

Minnesota Department Of Health - Environmental Laboratory

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **326353**

Date Received: **09-MAY-2008**
Date Generated: **06-JUN-2008**
Request Page: **59 of 59**

Samples: 200811238 - 200811247

Date Reported: **06-JUN-2008**

Site ID	Project Name	Sampled By
-	**REILLY**	**MIAKO USHIO**

Quality Control Batch ID: 20080519.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Vinyl chloride	5	ug/L	91	97	6	70-130	30
o-Xylene	5	ug/L	91	93	3	70-130	30
p&m-Xylene	5	ug/L	84	88	4	70-130	30

MDH Chain of Custody

Public Health Laboratory

Minnesota Department of Health
Chemical Laboratory
717Delaware Street S.E.
Minneapolis, Minnesota 55440

MDH 1000 № 21776

Client/Agency: MPCA
Project Name: Reilly Tar VOC
Site ID: Reilly
Program Code (2 letters): PL
Contact Name: Nile Fellows (MPCA)
Contact Phone #: 651-296-7299

Report to: MPCA

Address if Needed

Potential Hazard: Yes/No/Unknown (Circle One)
If Yes: Chemical/Biological/Other_____(Circle One)
Standard/Civil/Criminal Chain of Custody (Circle One)

Sampled By (Print): Andrew J. Taram
Affiliation: ENSR Corporation
Sampler Signature: A Taram
Phone: 952 924 0117

ORIGINAL

SAMPLER COMMENTS

Item #	Field ID	Sample Source/Point	Collection Date MM/DD/YYYY	Time (24 Hour Clock)	MDH Sample Number (Lab Use Only)	Matrix	General (None)	Nutrient (H2SO4)	Metals (HNO3)	VOC	Semi	DRO	GRO	Sed		
1	✓	W401-043008	4/30/08	830	10149	GW				3						→Not in MDH vial. Green cap vial indicates HCl preserved.
2	✓	H6-043008		935	150											
3		SLP4-043008		1130	151											
4		SLP6-043008		1200	152											
5		MTK6-043008		1345	153											
6		W402-043008		1610	154											
7		E2-050108	5/1/08	815	155	GW				3						
8		E13-050108		915	156											
9		E15-050108		845	157											
10		SLP4T-050108		1030	158											

SAMPLER COMMENTS:
RECEIVING COMMENTS:
LAB TEMP 1°/11°C

SEAL INTACT: YES / NO

ITEM NO.	RELINQUISHED BY/AFFIALIATION		TIME	DATE	ACCEPTED BY/AFFIALIATION	TIME	DATE
	A Taram	ENSR	11:10	5/2/08			
	Nile Fellows		11:45	5/2/08	Sarah Fitzgerald	11:44	5-2-08

White Lab Copy Yellow Client Copy Pink Submitter Copy

MINNESOTA MDH DEPARTMENT OF HEALTH

Protecting, maintaining and improving the health of all Minnesotans

Report Date: 19-MAY-2008

Client Name: MPCA-GW & SW
Project Code: PL
Project Name: MPCA-32 METRO MERLA-SF

Samples: 200810149 — 200810158

Report To: Bill Scruton
MPCA-GW & SW
520 Lafayette Rd.
St. Paul, MN 55155

The MDH Public Health Laboratory performs chemical, bacteriological and radiological analyses of environmental samples including water, waste water, sediment, air, soil and hazardous material. The laboratory provides testing services in accordance with standard operating procedures referencing approved methodology and defined in Standard Methods for the Examination of Water and Wastewater, Test Methods for Evaluating Solid Waster, Physical/Chemical Methods:EPA SW-846, and 40 Code of Federa Regulation (CFR) parts 136, 141, and 261. In cases where analytes of interest do not have corresponding EPA approved methodology, the MDH Public Health Laboratory uses in-house methods that have undergone rigorous validation and documentation.

The results within this report are in compliance with the terms and conditions stated in the standard operation procedures, reference methodologies, and quality assurance project plan; unless otherwise narrated in the attached report.

Release of the data contained in this report has been authorized by laboratory management and is verified with the following signature affirmation. Thank you for using the MDH Public Health Laboratory. If you have any questions regarding this report, please call us at 651.201.5300.

Sincerely,

Suzanne Skorich
Environmental Laboratory, Quality Assurance Officer

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **1 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810149**

Receiving Comments: **Received in green capped vials, but indicate HCl preservation. Not in MDH vial.**

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**0830**	**-**	**W401-043008**

Trip Blank	Field Blank
200810163	**-**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**100**	**70-130**	**% Recovery**	**07-MAY-08 06:50**
Dibromofluoromethane (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 06:50**
1,2-Dichlorobenzene-D4 (surrogate)		**100**	**70-130**	**% Recovery**	**07-MAY-08 06:50**
1,2-Dichloroethane-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 06:50**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 06:50**
Acetone	<	20	20	ug/L	07-MAY-08 06:50
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 06:50
Benzene	**J**	**0.1**	**0.2**	**ug/L**	**07-MAY-08 06:50**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 06:50
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 06:50
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 06:50
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 06:50
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 06:50
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 06:50
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 06:50
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 06:50
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 06:50
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 06:50
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 06:50
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 06:50
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 06:50

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **2 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810149**

Receiving Comments: **Received in green capped vials, but indicate HCl preservation. Not in MDH vial.**

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**0830**	**-**	**W401-043008**

Trip Blank	Field Blank
200810163	**-**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 06:50
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 06:50
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 06:50
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 06:50
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 06:50
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 06:50
1,1-Dichloroethane		**9.0**	**0.2**	**ug/L**	**07-MAY-08 06:50**
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 06:50
1,1-Dichloroethene		**0.9**	**0.5**	**ug/L**	**07-MAY-08 06:50**
cis-1,2-Dichloroethene		**10**	**0.2**	**ug/L**	**07-MAY-08 06:50**
trans-1,2-Dichloroethene		**0.4**	**0.1**	**ug/L**	**07-MAY-08 06:50**
Dichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 06:50
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 06:50
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 06:50
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 06:50
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 06:50
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 06:50
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 06:50
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 06:50
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 06:50

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **3 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810149**

Receiving Comments: **Received in green capped vials, but indicate HCl preservation. Not in MDH vial.**

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**0830**	**-**	**W401-043008**

Trip Blank	Field Blank
200810163	**-**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 06:50
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 06:50
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 06:50
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 06:50
Naphthalene	<	1.0	1.0	ug/L	07-MAY-08 06:50
n-Propylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
Styrene	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 06:50
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 06:50
Tetrachloroethene	<	0.2	0.2	ug/L	07-MAY-08 06:50
Tetrahydrofuran (THF)	QO <	10	10	ug/L	07-MAY-08 06:50
Toluene	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	07-MAY-08 06:50
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,1,1-Trichloroethane	**J**	**0.1**	**0.2**	**ug/L**	**07-MAY-08 06:50**
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	07-MAY-08 06:50
Trichloroethene (TCE)		**2.4**	**0.1**	**ug/L**	**07-MAY-08 06:50**
Trichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	07-MAY-08 06:50
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 06:50
Vinyl chloride		**0.5**	**0.2**	**ug/L**	**07-MAY-08 06:50**
o-Xylene	<	0.2	0.2	ug/L	07-MAY-08 06:50

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **4 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810149**

Receiving Comments: **Received in green capped vials, but indicate HCl preservation. Not in MDH vial.**

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**0830**	**-**	**W401-043008**

Trip Blank	Field Blank
200810163	**-**

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
p&m-Xylene	<	0.3	0.3	ug/L	07-MAY-08 06:50

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **5 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810150**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	0935	-	H6-043008

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 07:19**
Dibromofluoromethane (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 07:19**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 07:19**
1,2-Dichloroethane-D4 (surrogate)		**107**	**70-130**	**% Recovery**	**07-MAY-08 07:19**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 07:19**
Acetone	<	20	20	ug/L	07-MAY-08 07:19
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 07:19
Benzene	<	0.2	0.2	ug/L	07-MAY-08 07:19
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:19
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 07:19
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 07:19
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 07:19
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 07:19
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:19
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:19
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:19
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 07:19
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:19
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 07:19
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 07:19
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 07:19
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 07:19
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 07:19
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 07:19
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 07:19
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 07:19

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **6 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810150**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**0935**	-	**H6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 07:19
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:19
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 07:
1,1-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 07:
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 07:19
1,1-Dichloroethene	<	0.5	0.5	ug/L	07-MAY-08 07:
cis-1,2-Dichloroethene		**0.3**	**0.2**	**ug/L**	**07-MAY-08 07:**
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	07-MAY-08 07:19
Dichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 07:19
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 07:
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 07:
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 07:19
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 07:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 07:
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 07:19
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 07:
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 07:19
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:19
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 07:
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 07:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 07:19
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 07:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 07:

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **7 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810150**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**0935**	-	**H6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 07:19
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 07:19
Styrene		<	0.5	0.5	ug/L	07-MAY-08 07:19
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:19
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:19
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 07:19
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 07:19
Toluene		<	0.5	0.5	ug/L	07-MAY-08 07:19
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 07:19
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 07:19
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:19
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:19
Trichloroethene (TCE)		<	0.1	0.1	ug/L	07-MAY-08 07:19
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 07:19
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 07:19
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 07:19
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 07:19
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 07:19
Vinyl chloride		<	0.2	0.2	ug/L	07-MAY-08 07:19
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 07:19
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 07:19

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **8 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810151**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1130**	-	**SLP4-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**120**	**70-130**	**% Recovery**	**07-MAY-08 07:4**
Dibromofluoromethane (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 07:**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 07:4**
1,2-Dichloroethane-D4 (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 07:4**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 07:**
Acetone	<	20	20	ug/L	07-MAY-08 07:
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 07:4
Benzene		**0.4**	**0.2**	**ug/L**	**07-MAY-08 07:**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 07:47
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 07:4
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 07:
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 07:4
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:47
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 07:47
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 07:
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 07:47
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 07:47
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 07:
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 07:
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 07:47
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 07:
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 07:

Minnesota Department Of Health - Environmental Laboratory

Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **9 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: *200810151*

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	1130	-	SLP4-043008

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 07:47
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:47
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:47
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 07:47
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 07:47
1,1-Dichloroethane	**J**	**0.1**	**0.2**	**ug/L**	**07-MAY-08 07:47**
1,2-Dichloroethane	**J**	**0.1**	**0.2**	**ug/L**	**07-MAY-08 07:47**
1,1-Dichloroethene	<	0.5	0.5	ug/L	07-MAY-08 07:47
cis-1,2-Dichloroethene		**8.7**	**0.2**	**ug/L**	**07-MAY-08 07:47**
trans-1,2-Dichloroethene		**0.7**	**0.1**	**ug/L**	**07-MAY-08 07:47**
Dichlorofluoromethane		**1.2**	**0.5**	**ug/L**	**07-MAY-08 07:47**
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 07:47
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 07:47
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 07:47
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 07:47
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 07:47
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 07:47
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:47
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 07:47
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 07:47
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 07:47
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 07:47
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 07:47
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 07:47
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 07:47
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 07:47

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810151**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1130**	-	**SLP4-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 07:47
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 07:
Styrene		<	0.5	0.5	ug/L	07-MAY-08 07:
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:47
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 07:
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 07:47
Toluene		<	0.5	0.5	ug/L	07-MAY-08 07:
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 07:
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 07:47
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:47
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 07:
Trichloroethene (TCE)			**3.4**	**0.1**	**ug/L**	**07-MAY-08 07:**
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 07:47
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 07:
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 07:
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 07:47
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 07:
Vinyl chloride			**1.9**	**0.2**	**ug/L**	**07-MAY-08 07:**
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 07:47
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 07:47

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810152**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1200**	-	**SLP6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**101**	**70-130**	**% Recovery**	**07-MAY-08 08:16**
Dibromofluoromethane (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 08:16**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 08:16**
1,2-Dichloroethane-D4 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 08:16**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 08:16**
Acetone	<	20	20	ug/L	07-MAY-08 08:16
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 08:16
Benzene		**1.5**	**0.2**	**ug/L**	**07-MAY-08 08:16**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:16
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 08:16
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 08:16
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 08:16
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 08:16
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:16
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:16
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:16
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 08:16
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:16
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 08:16
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 08:16
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 08:16
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 08:16
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 08:16
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 08:16
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 08:16
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 08:16

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810152**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1200**	-	**SLP6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 08:16
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:16
Dichlorodifluoromethane	<	1.0	1.0	ug/L	07-MAY-08 08:
1,1-Dichloroethane		**1.4**	**0.2**	**ug/L**	**07-MAY-08 08:**
1,2-Dichloroethane		**0.4**	**0.2**	**ug/L**	**07-MAY-08 08:16**
1,1-Dichloroethene		**0.7**	**0.5**	**ug/L**	**07-MAY-08 08:16**
cis-1,2-Dichloroethene		**55**	**0.2**	**ug/L**	**07-MAY-08 08:**
trans-1,2-Dichloroethene		**2.5**	**0.1**	**ug/L**	**07-MAY-08 08:16**
Dichlorofluoromethane		**3.8**	**0.5**	**ug/L**	**07-MAY-08 08:16**
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 08:
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 08:
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 08:16
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 08:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 08:
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 08:16
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 08:
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 08:16
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:16
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 08:
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 08:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 08:16
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 08:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 08:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **13 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810152**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1200**	-	**SLP6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 08:16
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 08:16
Styrene		<	0.5	0.5	ug/L	07-MAY-08 08:16
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:16
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:16
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 08:16
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 08:16
Toluene		<	0.5	0.5	ug/L	07-MAY-08 08:16
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 08:16
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 08:16
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:16
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:16
Trichloroethene (TCE)			**9.5**	**0.1**	**ug/L**	**07-MAY-08 08:16**
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 08:16
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 08:16
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 08:16
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 08:16
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 08:16
Vinyl chloride			**6.8**	**0.2**	**ug/L**	**07-MAY-08 08:16**
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 08:16
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 08:16

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Final Report - Client Copy - Report Of Analytical Results

Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **14 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810153**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1345**	-	**MTK6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**94**	**70-130**	**% Recovery**	**07-MAY-08 08:4**
Dibromofluoromethane (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 08**
1,2-Dichlorobenzene-D4 (surrogate)		**101**	**70-130**	**% Recovery**	**07-MAY-08 08:**
1,2-Dichloroethane-D4 (surrogate)		**106**	**70-130**	**% Recovery**	**07-MAY-08 08:4**
Toluene-D8 (surrogate)		**96**	**70-130**	**% Recovery**	**07-MAY-08 08**
Acetone	<	20	20	ug/L	07-MAY-08 08
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 08:4
Benzene	<	0.2	0.2	ug/L	07-MAY-08 08
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 08
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 08:4
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 08:4
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 08
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 08
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:4
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 08:4
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 08
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 08:4
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 08:4
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 08
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 08
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 08:4
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 08
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 08

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **15 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810153**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1345**	-	**MTK6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 08:45
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:45
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:45
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 08:45
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 08:45
1,1-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 08:45
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 08:45
1,1-Dichloroethene	<	0.5	0.5	ug/L	07-MAY-08 08:45
cis-1,2-Dichloroethene		**0.4**	**0.2**	**ug/L**	**07-MAY-08 08:45**
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	07-MAY-08 08:45
Dichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 08:45
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 08:45
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 08:45
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 08:45
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 08:45
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 08:45
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 08:45
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:45
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 08:45
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 08:45
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 08:45
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 08:45
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 08:45
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 08:45
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 08:45
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 08:45

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **16 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810153**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1345**	-	**MTK6-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 08:4
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 08:
Styrene		<	0.5	0.5	ug/L	07-MAY-08 08:4
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:4
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 08:
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 08:4
Toluene		<	0.5	0.5	ug/L	07-MAY-08 08:
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 08:
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 08:4
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:4
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 08:
Trichloroethene (TCE)		<	0.1	0.1	ug/L	07-MAY-08 08:4
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 08:4
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 08:
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 08:
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 08:4
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 08:
Vinyl chloride		<	0.2	0.2	ug/L	07-MAY-08 08:
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 08:4
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 08:4

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **17 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810154**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1610**	-	**W402-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**98**	**70-130**	**% Recovery**	**07-MAY-08 09:13**
Dibromofluoromethane (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 09:13**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 09:13**
1,2-Dichloroethane-D4 (surrogate)		**106**	**70-130**	**% Recovery**	**07-MAY-08 09:13**
Toluene-D8 (surrogate)		**101**	**70-130**	**% Recovery**	**07-MAY-08 09:13**
Acetone	<	20	20	ug/L	07-MAY-08 09:13
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 09:13
Benzene	J	**0.1**	**0.2**	**ug/L**	**07-MAY-08 09:13**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:13
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 09:13
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 09:13
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 09:13
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 09:13
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:13
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:13
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:13
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 09:13
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:13
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 09:13
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 09:13
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 09:13
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 09:13
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 09:13
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 09:13
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 09:13
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 09:13

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **18 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810154**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1610**	-	**W402-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 09:13
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:13
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 09:
1,1-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 09:
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 09:13
1,1-Dichloroethene	<	0.5	0.5	ug/L	07-MAY-08 09:
cis-1,2-Dichloroethene	<	0.2	0.2	ug/L	07-MAY-08 09:
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	07-MAY-08 09:13
Dichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 09:13
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 09:
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 09:
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 09:13
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 09:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 09:
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 09:13
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 09:
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 09:13
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:13
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 09:
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 09:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 09:13
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 09:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 09:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **19 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810154**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
30-APR-2008	**1610**	-	**W402-043008**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 09:13
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 09:13
Styrene		<	0.5	0.5	ug/L	07-MAY-08 09:13
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 09:13
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 09:13
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 09:13
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 09:13
Toluene		<	0.5	0.5	ug/L	07-MAY-08 09:13
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 09:13
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 09:13
1,1,1-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 09:13
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 09:13
Trichloroethene (TCE)		<	0.1	0.1	ug/L	07-MAY-08 09:13
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 09:13
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 09:13
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 09:13
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 09:13
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 09:13
Vinyl chloride		<	0.2	0.2	ug/L	07-MAY-08 09:13
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 09:13
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 09:13

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **20 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810155**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0815**	-	**E2-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**94**	**70-130**	**% Recovery**	**07-MAY-08 09:4**
Dibromofluoromethane (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 09:**
1,2-Dichlorobenzene-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 09:**
1,2-Dichloroethane-D4 (surrogate)		**106**	**70-130**	**% Recovery**	**07-MAY-08 09:42**
Toluene-D8 (surrogate)		**100**	**70-130**	**% Recovery**	**07-MAY-08 09:**
Acetone	<	20	20	ug/L	07-MAY-08 09:
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 09:42
Benzene		**0.3**	**0.2**	**ug/L**	**07-MAY-08 09:**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 09:42
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 09:42
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 09:
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 09:
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:42
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 09:42
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 09:
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 09:
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 09:42
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 09:42
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 09:
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 09:
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 09:
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 09:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **21 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810155**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0815**	-	**E2-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Dibromomethane		<	0.5	0.5	ug/L	07-MAY-08 09:42
1,2-Dichlorobenzene		<	0.2	0.2	ug/L	07-MAY-08 09:42
1,3-Dichlorobenzene		<	0.2	0.2	ug/L	07-MAY-08 09:42
1,4-Dichlorobenzene		<	0.2	0.2	ug/L	07-MAY-08 09:42
Dichlorodifluoromethane	QR	<	1.0	1.0	ug/L	07-MAY-08 09:42
1,1-Dichloroethane	**J**		**0.1**	**0.2**	**ug/L**	**07-MAY-08 09:42**
1,2-Dichloroethane		<	0.2	0.2	ug/L	07-MAY-08 09:42
1,1-Dichloroethene		<	0.5	0.5	ug/L	07-MAY-08 09:42
cis-1,2-Dichloroethene			**9.9**	**0.2**	**ug/L**	**07-MAY-08 09:42**
trans-1,2-Dichloroethene			**0.5**	**0.1**	**ug/L**	**07-MAY-08 09:42**
Dichlorofluoromethane			**0.6**	**0.5**	**ug/L**	**07-MAY-08 09:42**
1,2-Dichloropropane		<	0.2	0.2	ug/L	07-MAY-08 09:42
1,3-Dichloropropane		<	0.2	0.2	ug/L	07-MAY-08 09:42
2,2-Dichloropropane	QR	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,1-Dichloropropene		<	0.2	0.2	ug/L	07-MAY-08 09:42
cis-1,3-Dichloropropene		<	0.2	0.2	ug/L	07-MAY-08 09:42
trans-1,3-Dichloropropene		<	0.2	0.2	ug/L	07-MAY-08 09:42
Ethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 09:42
Ethyl ether		<	2.0	2.0	ug/L	07-MAY-08 09:42
Hexachlorobutadiene		<	1.0	1.0	ug/L	07-MAY-08 09:42
Isopropylbenzene		<	0.5	0.5	ug/L	07-MAY-08 09:42
p-Isopropyltoluene		<	0.5	0.5	ug/L	07-MAY-08 09:42
Methylene chloride		<	0.5	0.5	ug/L	07-MAY-08 09:42
Methyl ethyl ketone (MEK)		<	10	10	ug/L	07-MAY-08 09:42
Methyl isobutyl ketone (MIBK)		<	5.0	5.0	ug/L	07-MAY-08 09:42
Methyl tertiary butyl ether (MTBE)		<	2.0	2.0	ug/L	07-MAY-08 09:42

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
Request Page: **22 of 46**

Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810155**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0815**	-	**E2-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	07-MAY-08 09:42
n-Propylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:4
Styrene	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 09:42
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 09:4
Tetrachloroethene	<	0.2	0.2	ug/L	07-MAY-08 09:4
Tetrahydrofuran (THF)	QO <	10	10	ug/L	07-MAY-08 09:42
Toluene	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	07-MAY-08 09:4
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	07-MAY-08 09:42
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	07-MAY-08 09:
Trichloroethene (TCE)		**0.5**	**0.1**	**ug/L**	**07-MAY-08 09:**
Trichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	07-MAY-08 09:
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	07-MAY-08 09:4
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:42
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 09:42
Vinyl chloride		**1.4**	**0.2**	**ug/L**	**07-MAY-08 09:**
o-Xylene	<	0.2	0.2	ug/L	07-MAY-08 09:42
p&m-Xylene	<	0.3	0.3	ug/L	07-MAY-08 09:42

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810156**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0915**	-	**E13-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**101**	**70-130**	**% Recovery**	**07-MAY-08 10:11**
Dibromofluoromethane (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 10:11**
1,2-Dichlorobenzene-D4 (surrogate)		**100**	**70-130**	**% Recovery**	**07-MAY-08 10:11**
1,2-Dichloroethane-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**07-MAY-08 10:11**
Toluene-D8 (surrogate)		**102**	**70-130**	**% Recovery**	**07-MAY-08 10:11**
Acetone	<	20	20	ug/L	07-MAY-08 10:11
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 10:11
Benzene		**0.2**	**0.2**	**ug/L**	**07-MAY-08 10:11**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:11
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 10:11
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 10:11
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 10:11
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 10:11
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:11
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 10:11
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 10:11
Chloroform	<	0.1	0.1	ug/L	07-MAY-08 10:11
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 10:11
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 10:11
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 10:11
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 10:11

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810156**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0915**	-	**E13-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:11
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 10:
1,1-Dichloroethane		**0.2**	**0.2**	**ug/L**	**07-MAY-08 10:**
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
1,1-Dichloroethene	<	0.5	0.5	ug/L	07-MAY-08 10:
cis-1,2-Dichloroethene		**5.4**	**0.2**	**ug/L**	**07-MAY-08 10:**
trans-1,2-Dichloroethene		**0.3**	**0.1**	**ug/L**	**07-MAY-08 10:11**
Dichlorofluoromethane	J	**0.3**	**0.5**	**ug/L**	**07-MAY-08 10:11**
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 10:
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 10:
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 10:11
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 10:
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 10:
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 10:11
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 10:
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 10:11
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 10:
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 10:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 10:11
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 10:
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 10:

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810156**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0915**	-	**E13-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	<	1.0	1.0	ug/L	07-MAY-08 10:11
n-Propylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
Styrene	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
Tetrachloroethene	<	0.2	0.2	ug/L	07-MAY-08 10:11
Tetrahydrofuran (THF)	QO <	10	10	ug/L	07-MAY-08 10:11
Toluene	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	07-MAY-08 10:11
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
Trichloroethene (TCE)		**0.4**	**0.1**	**ug/L**	**07-MAY-08 10:11**
Trichlorofluoromethane	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	07-MAY-08 10:11
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:11
Vinyl chloride		**0.6**	**0.2**	**ug/L**	**07-MAY-08 10:11**
o-Xylene	<	0.2	0.2	ug/L	07-MAY-08 10:11
p&m-Xylene	<	0.3	0.3	ug/L	07-MAY-08 10:11

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810157**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0845**	-	**E15-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**99**	**70-130**	**% Recovery**	**07-MAY-08 10:4**
Dibromofluoromethane (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 10**
1,2-Dichlorobenzene-D4 (surrogate)		**100**	**70-130**	**% Recovery**	**07-MAY-08 10**
1,2-Dichloroethane-D4 (surrogate)		**105**	**70-130**	**% Recovery**	**07-MAY-08 10:4**
Toluene-D8 (surrogate)		**103**	**70-130**	**% Recovery**	**07-MAY-08 10**
Acetone	<	20	20	ug/L	07-MAY-08 10
Allyl chloride	<	0.5	0.5	ug/L	07-MAY-08 10:4
Benzene	**J**	**0.1**	**0.2**	**ug/L**	**07-MAY-08 10**
Bromobenzene	<	0.2	0.2	ug/L	07-MAY-08 10
Bromochloromethane	<	0.5	0.5	ug/L	07-MAY-08 10:4
Bromodichloromethane	<	0.2	0.2	ug/L	07-MAY-08 10:4
Bromoform	QR <	0.5	0.5	ug/L	07-MAY-08 10
Bromomethane	QR <	1.0	1.0	ug/L	07-MAY-08 10
n-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:4
sec-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10
tert-Butylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10
Carbon tetrachloride	<	0.2	0.2	ug/L	07-MAY-08 10:4
Chlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10
Chlorodibromomethane	<	0.5	0.5	ug/L	07-MAY-08 10
Chloroethane	<	0.5	0.5	ug/L	07-MAY-08 10:4
Chloroform		**0.1**	**0.1**	**ug/L**	**07-MAY-08 10:4**
Chloromethane	<	1.0	1.0	ug/L	07-MAY-08 10
2-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 10
4-Chlorotoluene	<	0.5	0.5	ug/L	07-MAY-08 10:4
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	07-MAY-08 10
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	07-MAY-08 10

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810157**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0845**	-	**E15-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	07-MAY-08 10:40
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:40
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:40
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	07-MAY-08 10:40
Dichlorodifluoromethane	QR <	1.0	1.0	ug/L	07-MAY-08 10:40
1,1-Dichloroethane		**1.9**	**0.2**	**ug/L**	**07-MAY-08 10:40**
1,2-Dichloroethane	<	0.2	0.2	ug/L	07-MAY-08 10:40
1,1-Dichloroethene		**0.9**	**0.5**	**ug/L**	**07-MAY-08 10:40**
cis-1,2-Dichloroethene		**8.3**	**0.2**	**ug/L**	**07-MAY-08 10:40**
trans-1,2-Dichloroethene		**0.4**	**0.1**	**ug/L**	**07-MAY-08 10:40**
Dichlorofluoromethane	J	**0.3**	**0.5**	**ug/L**	**07-MAY-08 10:40**
1,2-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 10:40
1,3-Dichloropropane	<	0.2	0.2	ug/L	07-MAY-08 10:40
2,2-Dichloropropane	QR <	0.5	0.5	ug/L	07-MAY-08 10:40
1,1-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 10:40
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 10:40
trans-1,3-Dichloropropene	<	0.2	0.2	ug/L	07-MAY-08 10:40
Ethylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:40
Ethyl ether	<	2.0	2.0	ug/L	07-MAY-08 10:40
Hexachlorobutadiene	<	1.0	1.0	ug/L	07-MAY-08 10:40
Isopropylbenzene	<	0.5	0.5	ug/L	07-MAY-08 10:40
p-Isopropyltoluene	<	0.5	0.5	ug/L	07-MAY-08 10:40
Methylene chloride	<	0.5	0.5	ug/L	07-MAY-08 10:40
Methyl ethyl ketone (MEK)	<	10	10	ug/L	07-MAY-08 10:40
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	07-MAY-08 10:40
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	07-MAY-08 10:40

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810157**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**0845**	-	**E15-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes		Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2						
Naphthalene		<	1.0	1.0	ug/L	07-MAY-08 10:4
n-Propylbenzene		<	0.5	0.5	ug/L	07-MAY-08 10:
Styrene		<	0.5	0.5	ug/L	07-MAY-08 10:
1,1,1,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 10:4
1,1,2,2-Tetrachloroethane		<	0.2	0.2	ug/L	07-MAY-08 10:
Tetrachloroethene		<	0.2	0.2	ug/L	07-MAY-08 10:
Tetrahydrofuran (THF)	QO	<	10	10	ug/L	07-MAY-08 10:4
Toluene		<	0.5	0.5	ug/L	07-MAY-08 10:
1,2,3-Trichlorobenzene		<	1.0	1.0	ug/L	07-MAY-08 10:
1,2,4-Trichlorobenzene		<	0.5	0.5	ug/L	07-MAY-08 10:4
1,1,1-Trichloroethane			**0.6**	**0.2**	**ug/L**	**07-MAY-08 10:4**
1,1,2-Trichloroethane		<	0.2	0.2	ug/L	07-MAY-08 10:
Trichloroethene (TCE)			**2.1**	**0.1**	**ug/L**	**07-MAY-08 10:**
Trichlorofluoromethane		<	0.5	0.5	ug/L	07-MAY-08 10:4
1,2,3-Trichloropropane		<	0.5	0.5	ug/L	07-MAY-08 10
1,1,2-Trichlorotrifluoroethane		<	0.2	0.2	ug/L	07-MAY-08 10:
1,2,4-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 10:4
1,3,5-Trimethylbenzene		<	0.5	0.5	ug/L	07-MAY-08 10:
Vinyl chloride			**0.8**	**0.2**	**ug/L**	**07-MAY-08 10:**
o-Xylene		<	0.2	0.2	ug/L	07-MAY-08 10:4
p&m-Xylene		<	0.3	0.3	ug/L	07-MAY-08 10:4

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

Date Received: **02-MAY-2008**
Date Generated: **19-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810158**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1030**	-	**SLP4T-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
4-Bromofluorobenzene (surrogate)		**104**	**70-130**	**% Recovery**	**13-MAY-08 17:21**
Dibromofluoromethane (surrogate)		**100**	**70-130**	**% Recovery**	**13-MAY-08 17:21**
1,2-Dichlorobenzene-D4 (surrogate)		**104**	**70-130**	**% Recovery**	**13-MAY-08 17:21**
1,2-Dichloroethane-D4 (surrogate)		**102**	**70-130**	**% Recovery**	**13-MAY-08 17:21**
Toluene-D8 (surrogate)		**110**	**70-130**	**% Recovery**	**13-MAY-08 17:21**
Acetone	QR <	20	20	ug/L	13-MAY-08 17:21
Allyl chloride	<	0.5	0.5	ug/L	13-MAY-08 17:21
Benzene	<	0.2	0.2	ug/L	13-MAY-08 17:21
Bromobenzene	<	0.2	0.2	ug/L	13-MAY-08 17:21
Bromochloromethane	<	0.5	0.5	ug/L	13-MAY-08 17:21
Bromodichloromethane	<	0.2	0.2	ug/L	13-MAY-08 17:21
Bromoform	<	0.5	0.5	ug/L	13-MAY-08 17:21
Bromomethane	<	1.0	1.0	ug/L	13-MAY-08 17:21
n-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
sec-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
tert-Butylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
Carbon tetrachloride	<	0.2	0.2	ug/L	13-MAY-08 17:21
Chlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 17:21
Chlorodibromomethane	<	0.5	0.5	ug/L	13-MAY-08 17:21
Chloroethane	<	0.5	0.5	ug/L	13-MAY-08 17:21
Chloroform		**0.6**	**0.1**	**ug/L**	**13-MAY-08 17:21**
Chloromethane	<	1.0	1.0	ug/L	13-MAY-08 17:21
2-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 17:21
4-Chlorotoluene	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	2.0	ug/L	13-MAY-08 17:21
1,2-Dibromoethane (EDB)	<	0.5	0.5	ug/L	13-MAY-08 17:21

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Program: **PL**
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Date Received: **02-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810158**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1030**	-	**SLP4T-050108**

Trip Blank	Field Blank
200810163	-

******************************** SAMPLE RESULTS ********************************

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Dibromomethane	<	0.5	0.5	ug/L	13-MAY-08 17:2
1,2-Dichlorobenzene	<	0.2	0.2	ug/L	13 MAY 08 17:2
1,3-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 17:2
1,4-Dichlorobenzene	<	0.2	0.2	ug/L	13-MAY-08 17:2
Dichlorodifluoromethane	**J**	**0.5**	**1.0**	**ug/L**	**13-MAY-08 17:2**
1,1-Dichloroethane	<	0.2	0.2	ug/L	13-MAY-08 17:2
1,2-Dichloroethane	<	0.2	0.2	ug/L	13-MAY-08 17:2
1,1-Dichloroethene	<	0.5	0.5	ug/L	13-MAY-08 17:2
cis-1,2-Dichloroethene		**0.7**	**0.2**	**ug/L**	**13-MAY-08 17:2**
trans-1,2-Dichloroethene	<	0.1	0.1	ug/L	13-MAY-08 17:2
Dichlorofluoromethane		**1.2**	**0.5**	**ug/L**	**13-MAY-08 17:2**
1,2-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 17:2
1,3-Dichloropropane	<	0.2	0.2	ug/L	13-MAY-08 17:2
2,2-Dichloropropane	<	0.5	0.5	ug/L	13-MAY-08 17:2
1,1-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 17:2
cis-1,3-Dichloropropene	<	0.2	0.2	ug/L	13-MAY-08 17:2
trans-1,3-Dichloropropene	QR <	0.2	0.2	ug/L	13-MAY-08 17:2
Ethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:2
Ethyl ether	<	2.0	2.0	ug/L	13-MAY-08 17:2
Hexachlorobutadiene	<	1.0	1.0	ug/L	13-MAY-08 17:2
Isopropylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:2
p-Isopropyltoluene	<	0.5	0.5	ug/L	13-MAY-08 17:2
Methylene chloride	<	0.5	0.5	ug/L	13-MAY-08 17:
Methyl ethyl ketone (MEK)	<	10	10	ug/L	13-MAY-08 17:2
Methyl isobutyl ketone (MIBK)	<	5.0	5.0	ug/L	13-MAY-08 17:2
Methyl tertiary butyl ether (MTBE)	<	2.0	2.0	ug/L	13-MAY-08 17:

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Sample No: **200810158**

Receiving Comments: -

Coll Date	Coll Time	Field No	Sampling Point
01-MAY-2008	**1030**	-	**SLP4T-050108**

Trip Blank	Field Blank
200810163	-

********** SAMPLE RESULTS **********

Unit: ORGANIC CHEMISTRY Reviewed By **PDS** on **19-MAY-08**

Note: Positive Organic Results are indicated by BOLD.

	Result Codes	Result	Rept Level	Units	Analysis Date
468 VOCs in Water by GC/MS -EPA 524.2					
Naphthalene	QR <	1.0	1.0	ug/L	13-MAY-08 17:21
n-Propylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
Styrene	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,1,1,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 17:21
1,1,2,2-Tetrachloroethane	<	0.2	0.2	ug/L	13-MAY-08 17:21
Tetrachloroethene	<	0.2	0.2	ug/L	13-MAY-08 17:21
Tetrahydrofuran (THF)	QR <	10	10	ug/L	13-MAY-08 17:21
Toluene	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,2,3-Trichlorobenzene	<	1.0	1.0	ug/L	13-MAY-08 17:21
1,2,4-Trichlorobenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,1,1-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 17:21
1,1,2-Trichloroethane	<	0.2	0.2	ug/L	13-MAY-08 17:21
Trichloroethene (TCE)	<	0.1	0.1	ug/L	13-MAY-08 17:21
Trichlorofluoromethane	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,2,3-Trichloropropane	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,1,2-Trichlorotrifluoroethane	<	0.2	0.2	ug/L	13-MAY-08 17:21
1,2,4-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
1,3,5-Trimethylbenzene	<	0.5	0.5	ug/L	13-MAY-08 17:21
Vinyl chloride		**1.5**	**0.2**	**ug/L**	**13-MAY-08 17:21**
o-Xylene	<	0.2	0.2	ug/L	13-MAY-08 17:21
p&m-Xylene	<	0.3	0.3	ug/L	13-MAY-08 17:21

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Result Code Description

J The analyte was positively identified. The result is below the report level and is estimated.

QO Response for this analyte in a continuing calibration verification standard did not meet the QC acceptance criteria. Since the recovery showed a positive bias and the analyte was not detected in the sample, the sample result for this analyte was accepted without qualification.

QR Response for this analyte in a continuing calibration verification standard did not meet the QC acceptance criteria. The sample result for this analyte should be considered as estimated.

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

All samples analyzed in the batch

200810149, 200810150, 200810151, 200810152, 200810153, 200810154, 200810155, 200810156, 200810157, 200810159, 200810160

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time		Acceptable
200810149	30-APR-08	07-MAY-08	7	14	DAYS	Y
200810150	30-APR-08	07-MAY-08	7	14	DAYS	Y
200810151	30-APR-08	07-MAY-08	7	14	DAYS	Y
200810152	30-APR-08	07-MAY-08	7	14	DAYS	Y
200810153	30-APR-08	07-MAY-08	7	14	DAYS	Y
200810154	30-APR-08	07-MAY-08	7	14	DAYS	Y
200810155	01-MAY-08	07-MAY-08	6	14	DAYS	Y
200810156	01-MAY-08	07-MAY-08	6	14	DAYS	Y
200810157	01-MAY-08	07-MAY-08	6	14	DAYS	Y

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Program: **PL**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		100	70-130
Dibromofluoromethane (surrogate)		103	70-130
1,2-Dichlorobenzene-D4 (surrogate)		101	70-130
1,2-Dichloroethane-D4 (surrogate)		107	70-130
Toluene-D8 (surrogate)		103	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		96	93	70-130
Dibromofluoromethane (surrogate)		103	104	70-130
1,2-Dichlorobenzene-D4 (surrogat		87	88	70-130
1,2-Dichloroethane-D4 (surrogate		101	102	70-130
Toluene-D8 (surrogate)		106	112	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	97	129	29	70-130	30
Allyl chloride	5	ug/L	98	97	1	70-130	30
Benzene	5	ug/L	120	115	4	70-130	30
Bromobenzene	5	ug/L	100	97	3	70-130	30
Bromochloromethane	5	ug/L	119	119	0	70-130	30
Bromodichloromethane	5	ug/L	117	110	6	70-130	30
Bromoform	5	ug/L	77	**64***	18	70-130	30
Bromomethane	5	ug/L	**61***	**61***	1	70-130	30
n-Butylbenzene	5	ug/L	82	73	11	70-130	30
sec-Butylbenzene	5	ug/L	90	83	9	70-130	30

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080505.16 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
tert-Butylbenzene	5	ug/L	86	81	6	70-130	30
Carbon tetrachloride	5	ug/L	119	115	3	70-130	30
Chlorobenzene	5	ug/L	103	91	12	70-130	30
Chlorodibromomethane	5	ug/L	94	87	9	70-130	30
Chloroethane	5	ug/L	99	105	6	70-130	30
Chloroform	5	ug/L	125	121	3	70-130	30
Chloromethane	5	ug/L	70	74	5	70-130	30
2-Chlorotoluene	5	ug/L	105	97	9	70-130	30
4-Chlorotoluene	5	ug/L	111	99	11	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	86	84	3	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	106	108	2	70-130	30
Dibromomethane	5	ug/L	125	129	3	70-130	30
1,2-Dichlorobenzene	5	ug/L	99	95	5	70-130	30
1,3-Dichlorobenzene	5	ug/L	101	97	5	70-130	30
1,4-Dichlorobenzene	5	ug/L	99	94	5	70-130	30
Dichlorodifluoromethane	5	ug/L	**56***	**43***	26	70-130	30
1,1-Dichloroethane	5	ug/L	112	117	4	70-130	30
1,2-Dichloroethane	5	ug/L	126	123	2	70-130	30
1,1-Dichloroethene	5	ug/L	98	103	5	70-130	30
cis-1,2-Dichloroethene	5	ug/L	115	121	5	70-130	30
trans-1,2-Dichloroethene	5	ug/L	107	110	3	70-130	30
Dichlorofluoromethane	5	ug/L	105	119	13	70-130	30
1,2-Dichloropropane	5	ug/L	120	116	3	70-130	30
1,3-Dichloropropane	5	ug/L	107	109	2	70-130	30
2,2-Dichloropropane	5	ug/L	88	**68***	25	70-130	30
1,1-Dichloropropene	5	ug/L	119	114	4	70-130	30
cis-1,3-Dichloropropene	5	ug/L	82	80	2	70-130	30
trans-1,3-Dichloropropene	5	ug/L	85	84	2	70-130	30

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Ethylbenzene	5	ug/L	110	84	26	70-130	30
Ethyl ether	5	ug/L	103	111	7	70-130	30
Hexachlorobutadiene	5	ug/L	90	93	3	70-130	30
Isopropylbenzene	5	ug/L	90	84	8	70-130	30
p-Isopropyltoluene	5	ug/L	84	77	8	70-130	30
Methylene chloride	5	ug/L	101	106	5	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	118	113	4	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	95	95	1	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	105	112	6	70-130	30
Naphthalene	5	ug/L	71	77	8	70-130	30
n-Propylbenzene	5	ug/L	91	82	10	70-130	30
Styrene	5	ug/L	93	71	28	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	104	83	23	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	101	95	6	70-130	30
Tetrachloroethene	5	ug/L	104	102	2	70-130	30
Tetrahydrofuran (THF)	5	ug/L	**249***	**277***	11	70-130	30
Toluene	5	ug/L	104	104	0	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	86	93	8	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	85	92	7	70-130	30
1,1,1-Trichloroethane	5	ug/L	123	118	4	70-130	30
1,1,2-Trichloroethane	5	ug/L	107	111	4	70-130	30
Trichloroethene (TCE)	5	ug/L	119	114	4	70-130	30
Trichlorofluoromethane	5	ug/L	92	106	14	70-130	30
1,2,3-Trichloropropane	5	ug/L	100	93	7	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	98	103	4	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	91	83	9	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	88	81	9	70-130	30
Vinyl chloride	5	ug/L	81	83	3	70-130	30

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Program: **PL**
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Request Number: **325816**

Date Received: **02-MAY-2008**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080505.16 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
o-Xylene	5	ug/L	103	76	29	70-130	30
p&m-Xylene	5	ug/L	96	73	27	70-130	30

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Program: **PL**
Program Name: **MPCA-32 METRO MERLA-SF**
Request Number: **325816**

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

All samples analyzed in the batch

200810158, 200810161, 200810162, 200810163, 200810187, 200810236, 200810241, 200810355, 200810625, 200810626, 200810627, 200810934, 200811238

VOCs in Water by GC/MS
EPA 524.2

Sample	Collection Date	Analysis Date	Analysis Time	Holding Time		Acceptable
200810158	01-MAY-08	13-MAY-08	12	14	DAYS	Y

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Program: **PL**
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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result Code	Surrogate % Recovery	Accept Limits
4-Bromofluorobenzene (surrogate)		104	70-130
Dibromofluoromethane (surrogate)		101	70-130
1,2-Dichlorobenzene-D4 (surrogate)		103	70-130
1,2-Dichloroethane-D4 (surrogate)		103	70-130
Toluene-D8 (surrogate)		109	70-130

	Result	Report Level	Units	Control Limit
Acetone	<	20	ug/L	20
Allyl chloride	<	0.5	ug/L	0.5
Benzene	<	0.2	ug/L	0.2
Bromobenzene	<	0.2	ug/L	0.2
Bromochloromethane	<	0.5	ug/L	0.5
Bromodichloromethane	<	0.2	ug/L	0.2
Bromoform	<	0.5	ug/L	0.5
Bromomethane	<	1.0	ug/L	1.0
n-Butylbenzene	<	0.5	ug/L	0.5
sec-Butylbenzene	<	0.5	ug/L	0.5
tert-Butylbenzene	<	0.5	ug/L	0.5
Carbon tetrachloride	<	0.2	ug/L	0.2
Chlorobenzene	<	0.2	ug/L	0.2
Chlorodibromomethane	<	0.5	ug/L	0.5
Chloroethane	<	0.5	ug/L	0.5
Chloroform	<	0.1	ug/L	0.1
Chloromethane	<	1.0	ug/L	1.0
2-Chlorotoluene	<	0.5	ug/L	0.5
4-Chlorotoluene	<	0.5	ug/L	0.5
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	2.0
1,2-Dibromoethane (EDB)	<	0.5	ug/L	0.5
Dibromomethane	<	0.5	ug/L	0.5
1,2-Dichlorobenzene	<	0.2	ug/L	0.2
1,3-Dichlorobenzene	<	0.2	ug/L	0.2
1,4-Dichlorobenzene	<	0.2	ug/L	0.2
Dichlorodifluoromethane	<	1.0	ug/L	1.0

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
1,1-Dichloroethane	<	0.2	ug/L	0.2
1,2-Dichloroethane	<	0.2	ug/L	0.2
1,1-Dichloroethene	<	0.5	ug/L	0.5
cis-1,2-Dichloroethene	<	0.2	ug/L	0.2
trans-1,2-Dichloroethene	<	0.1	ug/L	0.1
Dichlorofluoromethane	<	0.5	ug/L	0.5
1,2-Dichloropropane	<	0.2	ug/L	0.2
1,3-Dichloropropane	<	0.2	ug/L	0.2
2,2-Dichloropropane	<	0.5	ug/L	0.5
1,1-Dichloropropene	<	0.2	ug/L	0.2
cis-1,3-Dichloropropene	<	0.2	ug/L	0.2
trans-1,3-Dichloropropene	<	0.2	ug/L	0.2
Ethylbenzene	<	0.5	ug/L	0.5
Ethyl ether	<	2.0	ug/L	2.0
Hexachlorobutadiene	<	1.0	ug/L	1.0
Isopropylbenzene	<	0.5	ug/L	0.5
p-Isopropyltoluene	<	0.5	ug/L	0.5
Methylene chloride	<	0.5	ug/L	0.5
Methyl ethyl ketone (MEK)	<	10	ug/L	10
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	5.0
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	2.0
Naphthalene	<	1.0	ug/L	1.0
n-Propylbenzene	<	0.5	ug/L	0.5
Styrene	<	0.5	ug/L	0.5
1,1,1,2-Tetrachloroethane	<	0.2	ug/L	0.2
1,1,2,2-Tetrachloroethane	<	0.2	ug/L	0.2
Tetrachloroethene	<	0.2	ug/L	0.2
Tetrahydrofuran (THF)	<	10	ug/L	10
Toluene	<	0.5	ug/L	0.5
1,2,3-Trichlorobenzene	<	1.0	ug/L	1.0
1,2,4-Trichlorobenzene	<	0.5	ug/L	0.5
1,1,1-Trichloroethane	<	0.2	ug/L	0.2
1,1,2-Trichloroethane	<	0.2	ug/L	0.2
Trichloroethene (TCE)	<	0.1	ug/L	0.1

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	REILLY TAR VOC	ANDREW J TARARA

Quality Control Batch ID: 20080513.11 AN: 468

Method Blank

	Result	Report Level	Units	Control Limit
Trichlorofluoromethane	<	0.5	ug/L	0.5
1,2,3-Trichloropropane	<	0.5	ug/L	0.5
1,1,2-Trichlorotrifluoroethane	<	0.2	ug/L	0.2
1,2,4-Trimethylbenzene	<	0.5	ug/L	0.5
1,3,5-Trimethylbenzene	<	0.5	ug/L	0.5
Vinyl chloride	<	0.2	ug/L	0.2
o-Xylene	<	0.2	ug/L	0.2
p&m-Xylene	<	0.3	ug/L	0.3

Laboratory Control Samples

	Result Code	LCS %Recovery	LCSD %Recovery	Accept. Limits
4-Bromofluorobenzene (surrogate)		97	95	70-130
Dibromofluoromethane (surrogate)		100	101	70-130
1,2-Dichlorobenzene-D4 (surrogat		89	89	70-130
1,2-Dichloroethane-D4 (surrogate		101	101	70-130
Toluene-D8 (surrogate)		114	102	70-130

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Acetone	5	ug/L	**0***	**19***	**200***	70-130	30
Allyl chloride	5	ug/L	96	95	0	70-130	30
Benzene	5	ug/L	100	102	2	70-130	30
Bromobenzene	5	ug/L	99	97	2	70-130	30
Bromochloromethane	5	ug/L	105	104	1	70-130	30
Bromodichloromethane	5	ug/L	103	94	9	70-130	30
Bromoform	5	ug/L	96	90	7	70-130	30
Bromomethane	5	ug/L	103	94	10	70-130	30
n-Butylbenzene	5	ug/L	75	75	1	70-130	30
sec-Butylbenzene	5	ug/L	83	84	1	70-130	30

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
tert-Butylbenzene	5	ug/L	79	80	0	70-130	30
Carbon tetrachloride	5	ug/L	99	98	1	70-130	30
Chlorobenzene	5	ug/L	99	98	1	70-130	30
Chlorodibromomethane	5	ug/L	102	97	5	70-130	30
Chloroethane	5	ug/L	121	117	4	70-130	30
Chloroform	5	ug/L	101	106	4	70-130	30
Chloromethane	5	ug/L	117	105	11	70-130	30
2-Chlorotoluene	5	ug/L	103	102	1	70-130	30
4-Chlorotoluene	5	ug/L	106	105	1	70-130	30
1,2-Dibromo-3-chloropropane (D	5	ug/L	84	83	1	70-130	30
1,2-Dibromoethane (EDB)	5	ug/L	100	103	2	70-130	30
Dibromomethane	5	ug/L	103	103	1	70-130	30
1,2-Dichlorobenzene	5	ug/L	96	96	0	70-130	30
1,3-Dichlorobenzene	5	ug/L	99	97	2	70-130	30
1,4-Dichlorobenzene	5	ug/L	96	94	2	70-130	30
Dichlorodifluoromethane	5	ug/L	127	117	9	70-130	30
1,1-Dichloroethane	5	ug/L	100	105	5	70-130	30
1,2-Dichloroethane	5	ug/L	98	106	8	70-130	30
1,1-Dichloroethene	5	ug/L	99	98	1	70-130	30
cis-1,2-Dichloroethene	5	ug/L	99	98	1	70-130	30
trans-1,2-Dichloroethene	5	ug/L	100	101	1	70-130	30
Dichlorofluoromethane	5	ug/L	109	113	4	70-130	30
1,2-Dichloropropane	5	ug/L	103	99	4	70-130	30
1,3-Dichloropropane	5	ug/L	102	103	0	70-130	30
2,2-Dichloropropane	5	ug/L	99	87	12	70-130	30
1,1-Dichloropropene	5	ug/L	98	99	1	70-130	30
cis-1,3-Dichloropropene	5	ug/L	71	77	8	70-130	30
trans-1,3-Dichloropropene	5	ug/L	86	**68***	24	70-130	30

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
Ethylbenzene	5	ug/L	101	103	2	70-130	30
Ethyl ether	5	ug/L	100	102	2	70-130	30
Hexachlorobutadiene	5	ug/L	89	87	3	70-130	30
Isopropylbenzene	5	ug/L	87	86	1	70-130	30
p-Isopropyltoluene	5	ug/L	79	79	0	70-130	30
Methylene chloride	5	ug/L	96	97	1	70-130	30
Methyl ethyl ketone (MEK)	5	ug/L	73	83	13	70-130	30
Methyl isobutyl ketone (MIBK)	5	ug/L	82	88	7	70-130	30
Methyl tertiary butyl ether (M	5	ug/L	94	97	3	70-130	30
Naphthalene	5	ug/L	**65***	**68***	5	70-130	30
n-Propylbenzene	5	ug/L	86	85	1	70-130	30
Styrene	5	ug/L	87	87	0	70-130	30
1,1,1,2-Tetrachloroethane	5	ug/L	104	102	1	70-130	30
1,1,2,2-Tetrachloroethane	5	ug/L	100	101	1	70-130	30
Tetrachloroethene	5	ug/L	99	98	2	70-130	30
Tetrahydrofuran (THF)	5	ug/L	70	80	14	70-130	30
Toluene	5	ug/L	100	97	4	70-130	30
1,2,3-Trichlorobenzene	5	ug/L	80	82	2	70-130	30
1,2,4-Trichlorobenzene	5	ug/L	80	81	1	70-130	30
1,1,1-Trichloroethane	5	ug/L	98	102	4	70-130	30
1,1,2-Trichloroethane	5	ug/L	103	94	9	70-130	30
Trichloroethene (TCE)	5	ug/L	102	101	2	70-130	30
Trichlorofluoromethane	5	ug/L	101	104	3	70-130	30
1,2,3-Trichloropropane	5	ug/L	99	101	2	70-130	30
1,1,2-Trichlorotrifluoroethane	5	ug/L	102	97	5	70-130	30
1,2,4-Trimethylbenzene	5	ug/L	86	86	1	70-130	30
1,3,5-Trimethylbenzene	5	ug/L	85	84	1	70-130	30
Vinyl chloride	5	ug/L	119	105	12	70-130	30

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Samples: 200810149 - 200810158

Date Reported: **19-MAY-2008**

Site ID	Project Name	Sampled By
REILLY	**REILLY TAR VOC**	**ANDREW J TARARA**

Quality Control Batch ID: 20080513.11 AN: 468

Laboratory Control Samples

	Spike Level	Units	Spike %Rec	Dup %Rec	RPD	%Rec Req	RPD Req
o-Xylene	5	ug/L	94	94	0	70-130	30
p&m-Xylene	5	ug/L	89	89	1	70-130	30