N00158.AR.000295
NAS WILLOW GROVE
5090.3a

TETRA TECH NUS

PHIL- 22094

TO:	**RUSS TURNER**	**DATE:**	**APRIL 24, 2008**
FROM:	**MEGAN RITCHIE**	**COPIES:**	**FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOC AND 1,4-DIOXANE**
NAS JRB WILLOW GROVE SITE 3, WILLOW GROVE, PENNSYLVANIA
SDG NO. TWK-002

SAMPLES: **16/Aqueous/**

03MW02I	03MW03SI	03IW01	DUP-02
03MW02SI	03MW03S	03SW10	DUP-03
03MW02S	03MW04S	03SW11	TB-20080314
03MW03I	03MW07S	RB	TB-20080318

*The sample dates were truncated for clarity except for the trip blanks.

OVERVIEW

The sample set for the NAS JRB Willow Grove Site 3 Interim Groundwater Monitoring (IGWM) – Willow Grove, PA, SDG TWK-002 consists of 13 aqueous environmental samples (designated 03MW-, 03IW-, and 03SW-) and three field quality control (QC) blanks (designated RB- and TB-). No samples were designated as the matrix spike and matrix spike duplicate (MS/MSD) for this sample set. Two field duplicate pairs (DUP-02/03MW03SI and DUP-03/03IW01) were included in this sample set. All samples were analyzed for Volatile Organic Compounds (VOCs) and 1,4-Dioxane except for the trip blanks. The trip blanks were analyzed for VOCs only.

The samples were collected by Tetra Tech NUS on March 13-19, 2008 and analyzed by Analytical Laboratory Services, Inc. (ALSI) of Middletown, Pennsylvania.

All analyses were conducted using EPA SW-846 Methods. VOCs were analyzed by 8260B and 1,4-Dioxane by 8270D.

SUMMARY

Most analytes were successfully analyzed in all samples. The findings offered in this report are based upon a general review of all available data including data completeness, holding times until analysis, GC/MS tuning and calibration data, laboratory and field quality control blank results, system monitoring compound recoveries, matrix spike/matrix spike duplicate (MS/MSD) results, laboratory control spike (LCS) results, internal standards performance, compound identification, compound quantitation, and field duplicate results.

MAJOR PROBLEMS

- The initial calibration relative response factors (RRFs) for 2-butanone and acetone were below the QC criterion of 0.05. The non-detected results for 2-butanone and acetone were qualified as unusable (UR).

MINOR PROBLEMS

- The continuing calibration percent difference (%D) exceeded the QC criteria of 25% for carbon tetrachloride. The associated positive carbon tetrachloride result in sample 03MW02I was qualified as estimated (J).
- All surrogate recoveries were very low for sample DUP-02. The laboratory noted in the narrative that there was an error during the extraction process. The sample was re-extracted outside hold time and reanalyzed with surrogate recoveries within control limits. The non-detected result for 1,4-Dioxane in DUP-02 was qualified as estimated (UJ) because it was outside holding time.
- Positive results at concentrations less than the reporting limits (RLs) were qualified as estimated (J).

Notes

The continuing calibration %Ds exceeded the QC criteria of 25% for several VOC compounds. No action was taken because there were no detections of these compounds in the associated samples.

The MS and LCS recoveries exceeded the QC criteria for chloromethane, Freon 113, and m,p-xylene. No action was taken because there were no positive detections of these compounds in the associated samples.

The 1,4-Dioxane analysis surrogate recoveries for sample 03MW03SI exceeded QC criteria. No action was taken because there was not a positive detection for this sample.

EXECUTIVE SUMMARY

Laboratory Performance: Two VOC compounds had initial calibration RRFs below QC criteria. Several VOC compounds exceeded the continuing calibration %D criteria. Surrogate recoveries were below QC limits for two samples. Three VOC compound recoveries exceeded LCS QC limits.

Other Factors Affecting Data Quality: One VOC compound recovery exceeded MS/MSD QC limits.

The data for these analyses were reviewed with reference to the Tetra Tech NUS Standard Operating Procedure DV-02 (8/01) "Data Validation for Non-CLP Organics for Solid Matrices" and EPA "Functional Guidelines for Organic Data Review", as amended for use within EPA Region 3 (9/94).

The text of this report has been formatted to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the Functional Guidelines and the Quality Assurance Project Plan (QAPjP)."

Megan Ritchie

Megan N. Ritchie
Chemist

Tetra Tech NUS, Inc.
Russell Sloboda
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Laboratory Analytical Results
3. Appendix C – Support Documentation

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03IW01-20080319
samp_date	3/19/2008
lab_id	9728271005
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03IW01-20080319
samp_date	3/19/2008
lab_id	9728271005
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	6		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW02I-20080318
samp_date	3/18/2008
lab_id	9728271002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	0.38	J	CP
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03MW02I-20080318
samp_date	3/18/2008
lab_id	9728271002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	7.8		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW02S-20080318
samp_date	3/18/2008
lab_id	9728271004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03MW02S-20080318
samp_date	3/18/2008
lab_id	9728271004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03MW02SI-20080318
samp_date	3/18/2008
lab_id	9728271003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03MW02SI-20080318
samp_date	3/18/2008
lab_id	9728271003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	3.3		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW03I-20080317
samp_date	3/17/2008
lab_id	9727814006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03MW03I-20080317
samp_date	3/17/2008
lab_id	9727814006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	6.9		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW03S-20080317
samp_date	3/17/2008
lab_id	9727814005
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03MW03S-20080317
samp_date	3/17/2008
lab_id	9727814005
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	2.5		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03MW03SI-20080317
samp_date	3/17/2008
lab_id	9727814003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03MW03SI-20080317
samp_date	3/17/2008
lab_id	9727814003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	12		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW04S-20080314
samp_date	3/14/2008
lab_id	9727814002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1.1		
BROMOFORM	0.87	J	P
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1.5		
CHLOROETHANE	1	U	
CHLOROFORM	0.4	J	P
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03MW04S-20080314
samp_date	3/14/2008
lab_id	9727814002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	4.5		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW07S-20080319
samp_date	3/19/2008
lab_id	9728271008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03MW07S-20080319
samp_date	3/19/2008
lab_id	9728271008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1.1		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03SW10-20080319
samp_date	3/19/2008
lab_id	9728271007
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03SW10-20080319
samp_date	3/19/2008
lab_id	9728271007
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	0.21	J	P
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03SW11-20080319
samp_date	3/19/2008
lab_id	9728271006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	03SW11-20080319
samp_date	3/19/2008
lab_id	9728271006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	DUP-02
samp_date	3/17/2008
lab_id	9727814004
qc_type	FD
units	UG/L
Pct_Solids	
DUP_OF:	03MW03SI-20080317

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	DUP-02
samp_date	3/17/2008
lab_id	9727814004
qc_type	FD
units	UG/L
Pct_Solids	
DUP_OF:	03MW03SI-20080317

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	11.7		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	DUP-03	nsample	DUP-03	nsample	RB-20080318
samp_date	3/19/2008	samp_date	3/19/2008	samp_date	3/19/2008
lab_id	9728271010	lab_id	9728271010	lab_id	9728271009
qc_type	FD	qc_type	FD	qc_type	RB
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:	03IW01-20080319	DUP_OF:	03IW01-20080319	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	6.3		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	RB-20080318
samp_date	3/19/2008
lab_id	9728271009
qc_type	RB
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	TB-20080314-TWK002
samp_date	3/14/2008
lab_id	9727814001
qc_type	TB
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	TB-20080314-TWK002
samp_date	3/14/2008
lab_id	9727814001
qc_type	TB
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OV

nsample	TB-20080318-TWK002	nsample	TB-20080318-TWK002
samp_date	3/18/2008	samp_date	3/18/2008
lab_id	9728271001	lab_id	9728271001
qc_type	TB	qc_type	TB
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROBENZENE	2	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	5	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	UR	C
BENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	1	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
CIS-1,3-DICHLOROPROPENE	1	U	
CYCLOHEXANE	1	U	
DICHLORODIFLUOROMETHANE	1	U	
ETHYLBENZENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL ACETATE	2	U	
METHYL CYCLOHEXANE	1	U	
METHYL TERT-BUTYL ETHER	1	U	
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OS

nsample	03IW01-20080319	nsample	03MW02I-20080318	nsample	03MW02S-20080318
samp_date	3/19/2008	samp_date	3/18/2008	samp_date	3/18/2008
lab_id	9728271005	lab_id	9728271002	lab_id	9728271004
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	3	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OS

nsample	03MW02SI-20080318	nsample	03MW03I-20080317	nsample	03MW03S-20080317
samp_date	3/18/2008	samp_date	3/17/2008	samp_date	3/17/2008
lab_id	9728271003	lab_id	9727814006	lab_id	9727814005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.8	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.8	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OS

nsample	03MW03SI-20080317
samp_date	3/17/2008
lab_id	9727814003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

nsample	03MW04S-20080314
samp_date	3/14/2008
lab_id	9727814002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

nsample	03MW07S-20080319
samp_date	3/19/2008
lab_id	9728271008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OS

nsample	03SW10-20080319	nsample	03SW11-20080319	nsample	DUP-02
samp_date	3/19/2008	samp_date	3/19/2008	samp_date	3/17/2008
lab_id	9728271007	lab_id	9728271006	lab_id	9727814004
qc_type	NM	qc_type	NM	qc_type	FD
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	03MW03SI-20080317

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	3	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	UJ	H

PROJ_NO: 00845

SDG: TWK-002 MEDIA: WATER DATA FRACTION: OS

nsample	DUP-03	nsample	RB-20080318
samp_date	3/19/2008	samp_date	3/19/2008
lab_id	9728271010	lab_id	9728271009
qc_type	FD	qc_type	RB
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:	03IW01-20080319	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.9	U	

Qualifier Codes:

a	=	Lab Blank Contamination
b	=	Field Blank Contamination
c	=	Calibration (i.e., %RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
d	=	MS/MSD Noncompliance
e	=	LSC/LSCD Noncompliance
f	=	Laboratory Duplicate Imprecision
g	=	Field Duplicate Imprecision
h	=	Holding Time Exceedance
i	=	ICP Serial Dilution Noncompliance
j	=	GFAA PDS – GFAA MSA's r<0.995 (correlation coefficient)
k	=	ICP Interference – include ICSAB %Rs
l	=	Instrument Calibration Range Exceedance
m	=	Sample Preservation
n	=	Internal Standard Noncompliance
n01	=	Internal Standard Recovery Noncompliance Dioxins
n02	=	Recovery Standard Noncompliance Dioxins
n03	=	Clean-up Standard Noncompliance Dioxins
o	=	Poor Instrument Performance (i.e. baseline drifting)
p	=	Uncertainty Near Detection Limit (<2 x IDL for inorganics and < CRQL for organics)
q	=	Other Problems (can encompass of number of issues)
r	=	Surrogates Recovery Noncompliance
s	=	Pesticide/PCB Resolution
t	=	% Breakdown Noncompliance for DDT and Endrin
u	=	Pesticide/PCB % Difference Between Columns for Positive Results
v	=	Non-linear Calibrations, Tuning r <0.995 (correlation coefficient)
w	=	Ratios of primary monitored ions outside of theoretical +/-15 %, within +/- 25 %
x	=	Signal to noise response drop
y	=	Percent solids <30%
z	=	Uncertainty at 2 sigma deviation is greater than sample activity

Data Qualifier Key:

B	- Positive result is considered to be an artifact of blank contamination and should not be considered present.
J	- Value is considered estimated due to exceedance of technical quality control or because result is less than the Contract Required Quantitation Limit (CRQL).
K	- Positive result is considered biased high due to exceedance of technical quality control criteria.
L	- Positive result is considered biased low due to exceedance of technical quality control criteria.
U	- Value is a non-detected result as reported by the laboratory.
UL	- Non-detected result is considered biased low due to exceedance of technical quality control criteria.
UR	- Non-detected result is considered unusable due to exceedance of technical quality control criteria.

APPENDIX B

Laboratory Analytical Results

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

| TB-20080314 |

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032640

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-20080314-

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032640

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW06S

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727450003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032641

Level: (low/med) LOW Date Received: 03/14/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	0.76	J
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW06S

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727450003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032641

Level: (low/med) LOW Date Received: 03/14/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW04S- 20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032646

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	0.87	J
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.5	
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	0.40	J
75-27-4	Bromodichloromethane	1.1	
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	4.5	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW04S-
20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032646

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03SI
-20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032647

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	12.0	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03SI
-20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032647

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-02

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032648

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	11.7	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-02

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032648

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03I-
20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032737

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	6.9	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03I-
20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032737

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03S-
20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032738

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	2.5	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03S-
20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032738

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: not dec. _____ Date Analyzed: 03/27/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033006

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033006

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

RB-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033007

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

RB-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271009

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033007

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-03

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033010

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	6.3	
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-03

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271010

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033010

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM I
VOLATILE ORGANICS ANALYSIS DATA SHEET

Tetra Tech NUS, Inc SAMPLE NO.

03MW02I-
20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033011

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	0.38	J
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	7.8	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02I-
20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033011

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02SI
-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033012

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	3.3	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02SI
-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033012

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02S-
20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033013

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02S-
20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033013

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW07S-
20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033014

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.1	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03MW07S-
20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271008

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033014

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/30/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

031W01-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033015

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. Date Analyzed: 03/31/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	6.0	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03TW01-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033015

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/31/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03SW11-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033016

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/31/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03SW11-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033016

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/31/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03SW10-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033017

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/31/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	1.0	U
75-25-2	Bromoform	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
100-41-4	Ethylbenzene	1.0	U
74-83-9	Bromomethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	0.21	J
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-01-4	Vinyl Chloride	1.0	U
76-13-1	Freon 113	1.0	U
95-47-6	o-Xylene	1.0	U
108383/106423	mp-Xylene	2.0	U
78-93-3	2-Butanone	10.0	U
75-69-4	Trichlorofluoromethane	1.0	U
108-10-1	4-Methyl-2-Pentanone(MIBK)	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
VOLATILE ORGANICS ANALYSIS DATA SHEET

03SW10-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271007

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5033017

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: not dec. _____ Date Analyzed: 03/31/08

GC Column: RTX-VMS ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
120-82-1	1,2,4-Trichlorobenzene	2.0	U
1330-20-7	TOTAL XYLENES	3.0	U
67-64-1	Acetone	10.0	U
79-20-9	Methyl acetate	2.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
110-82-7	Cyclohexane	1.0	U
100-42-5	Styrene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl t-Butyl Ether	1.0	U
75-15-0	Carbon Disulfide	1.0	U
591-78-6	2-Hexanone	5.0	U
74-97-5	Bromochloromethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW04S-20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814002

Sample wt/vol: 1040 (g/mL) ML Lab File ID: 8032111

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/20/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/22/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.9	U

FORM I SV

0247

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-02

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814004

Sample wt/vol: 1040 (g/mL) ML Lab File ID: 8032112

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/20/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/22/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.9	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-02RE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814004

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 8032605

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/26/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03SI
-20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814003

Sample wt/vol: 1030 (g/mL) ML Lab File ID: 8032113

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/20/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/22/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.9	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03S-20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814005

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 8032114

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/20/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/22/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW03I- 20080317

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9727814006

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 8032115

Level: (low/med) LOW Date Received: 03/18/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/20/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/22/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02I

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271002

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 8032612

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM I SV

0254

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02SI -20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271003

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 8032614

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM I SV

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW02S

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271004

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 80326A15

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM I SV

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03IW01-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271005

Sample wt/vol: 1010 (g/mL) ML Lab File ID: 80326A17

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	3.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03SW11-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271006

Sample wt/vol: 1010 (g/mL) ML Lab File ID: 80326A18

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	3.0	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03SW10-20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271007

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 80326A19

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N) __ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW07S-
20080319

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271008

Sample wt/vol: 1030 (g/mL) ML Lab File ID: 80326A20

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.9	U

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RB-20080318

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271009

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 80326A21

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.8	U

FORM 1 SV

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-03

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix: (soil/water) WATER Lab Sample ID: 9728271010

Sample wt/vol: 1020 (g/mL) ML Lab File ID: 80326A22

Level: (low/med) LOW Date Received: 03/20/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/25/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/27/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
123-91-1	1,4-Dioxane	2.9	U

FORM I SV

APPENDIX C

Support Documentation

Tetra Tech NUS, Inc.
NASJRB Willow Grove, PA
CTO-0412

Analytical Laboratory Services Inc.
Analytical Narrative
TWK-002

Sample Management

This report contains the results of the analysis of sixteen (16) water samples collected on March 14, 17, 18 and 19, 2008. Analytical results and quality control information are summarized in this data package.

Sample Receipt

Samples arrived at ALSI via courier on March 18 and 20, 2008. Upon receipt, the samples were inspected and compared to the enclosed chain of custody. All sample bottles were preserved properly. Each sample was assigned a unique identification number (see Certificates of Analysis). The sample information was entered into the computer system and the samples were released for analysis.

Volatile Organics by SW-846 Method 8260

Sample Handling. Sixteen (16) water samples were analyzed by SW-846 Method 8260 for volatile organic compounds on MS05. All analyses were performed within the holding time.

Initial Calibrations. A six-point calibration was analyzed on MS05 on March 11, 2008. This calibration was used to quantitate the samples, blank and spikes. The initial calibration met method criteria for all target analytes.

Continuing Calibration Checks. A continuing calibration check standard was analyzed on MS05 on March 26, 2008, March 27, 2008, March 29,2008, and March 30, 2008. The continuing calibration checks met method criteria for all analytes.

Blanks. Four method blanks, identified as 452746, 453224, 453907, and 453929, were analyzed with the samples and included in this deliverable group. No target analytes were detected in the method blanks.

Surrogates. A four-component surrogate mix was added to each sample, blank and spike. All samples, blanks and spikes had surrogate recoveries within QC limits.

Internal Standards. A three-component internal standard mix was added to each sample, blank and spike. The internal standards were recovered within QC limits in all of the samples and associated QC.

Spiked Blanks. Four spiked blanks, identified as 452747, 453225, 453908 and 453930, were analyzed with the samples. All target analyte recoveries were within QC limits in the spiked blanks with the exception of Chloromethane, and Freon 113, which were recovered above QC limits in the spiked blanks identified as 452747, 453225 and 453930; and mp-Xylene, which was recovered above QC limits in the spiked blank identified as 453225. These analytes were not detected in the project samples, indicating no impact on data.

Matrix Spikes. A matrix spike and matrix spike duplicate, identified as 452764 and 452765, were analyzed on March 27, 2008 from the client's sample identified as 9727450003 (03MW06S). All recoveries were within QC limits for the matrix spike and matrix spike duplicate.

A matrix spike and matrix spike duplicate, identified as 453915 and 453916, were analyzed on March 29, 2008 from another client's sample identified as 9728165006 (MW-6). All recoveries were within QC limits for the matrix spike and matrix spike duplicate with the exception of Chloromethane, and Carbon Disulfide, which were recovered above QC limits in the matrix spike.

Semi-volatile Organic Chemicals by Method 8270

Sample Handling. Fourteen (14) water samples were extracted by SW-846 Method 3510 and the extract was analyzed by SW-846 Method 8270 for semi-volatile organic chemicals. The samples, extraction blanks and spikes were analyzed on MS08. All extractions and analyses were performed within holding time.

Initial Calibrations. An eight-point calibration for SW-846 Method 8270 was analyzed on MS08 on March 3, 2008. This calibration was used for the analyses of the samples, blank and spikes. The initial calibration met method criteria for all target analytes.

Calibration Checks. Calibration check standards for SW-846 Method 8270 were analyzed properly. The calibration checks met method criteria for the target analyte.

Blanks. Two method blanks, identified as 450577, and 452165, were extracted and analyzed with the samples. No target compounds were detected in the method blank.

Surrogates. An eight-component surrogate mix was added to the sample, blank and spikes. Several surrogates were recovered outside of QC limits in sample 03MW03SI-200 (9727814003). In another batch, the MB452165 exhibited low recoveries for two surrogate compounds. Associated samples exhibited recoveries within QC limits.

Sample DUP-02 (972781004) exhibited surrogate recoveries less than 10%. Per notes on the extraction log, this sample experienced extraction problems. The sample was re-extracted past the holding time to confirm the target analyte concentration. In the re-extraction, surrogate recoveries were within QC limits, and the target analyte was confirmed not to be present.

Internal Standards. A six-component internal standard mix was added to each sample, blank and spike for SW-846 Method 8270. All internal standards had recoveries within QC limits.

Blank Spikes. Two blank spikes, identified as 450578, and 452167, were spiked at 100 □g/L, and were extracted and analyzed with the samples by method 8270. All recoveries were within QC limits for the spiked blanks.

Matrix Spikes. A matrix spike and matrix spike duplicate, identified as 450579 and 450580 respectively, were analyzed with batch sample 9728129007. The target analyte was recovered within QC limits in the matrix spike and matrix spike duplicate.

Matrix Spike. A matrix spike, identified as 452169, was analyzed with a client's sample, identified as 9728271002 (03MW02I), is included for validation purposes. All analytes were recovered within QC limits in the matrix spike.

Duplicate. A duplicate, identified as 452170, was analyzed with a project sample, identified as 9728271004 (03MW02S). All analytes exhibited precision within method criteria.

Total Metals by EPA Method 6010C

Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTOD
REQUEST FOR ANAL

ALL SHADED AREAS MUST BE COMPL
CLIENT / SAMPLER. INSTRUCTIONS C

9727814

x 1 (Expires 6/2/04)

COC# 9727814

Co. Name: Tetra Tech NUS
Contact (Report to): Russ Turner Phone: 610 491 9688
Address: 234 Mall Boulevard
Suite 260
King of Prussia PA 19406

Bill to (if different than Report to): Tetra Tech NUS PO#:
Foster Plaza 7
661 Andersen Drive
Pittsburgh, PA 15220
Project Name/#: ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. Date Required:
[ ] Rush-Subject to ALSI approval and surcharges. Approved By:

Email? [ ] Y
Fax? [ ] Y No

	Container Type	Container Size	Preservative
	GL	40ml	HCl
	Amber GL	1L Amber	4°C
	Poly	500ml	HNO3
	Poly	500ml	NaOH
	Poly	1L	4°C

ANALYSES/METHOD REQUESTED

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	TCL VOC 8260B	1,4 Dioxane 8270C	Total TAL Metals	Dissolved Metals	Hex. Chromium	Internal COC Required	Custody seals Present?	(If present) Seals Intact?	Received on Ice?	COC sheets complete/accurate?	Container in good condition?
1 TB-20080314	recd 3/18/08 11:55 GK	3/14/08	1630	G	Aq	2										
2 03MW04S-20080314		3/14/08	1735	G	GW	2	2	1	1							
3 03MW03SI-20080317		3/17/08	1010	G	GW	2	2	1	1							
4 DUP-02		3/17/08	0000	G	GW	2	2	1	1							
5 03MW03S-20080317	Bottles marked 1327 for time DCS 3/18	3/17/08	1027	G	GW	2	2	1	1							
6 03MW03I-20080317		3/17/08	1637	G	GW	2	2	1	1	1						
7																
8																

Enter Number of Containers Per Analysis

Circle appropriate Y or N.

SAMPLED BY (Please Print): Donald Whalen

LOGGED BY (signature): Date 3/18/08 Time 1604

REVIEWED BY (signature): Date 03/19/08 Time 1000

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Donald Whalen	3/17/08	1920	2 C Cable / ALSI	3/18/08	11:45
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] Other Approved? [ ] If yes, format type:

EDD Format Req: yes / yes / yes / yes

State Samples Collected In? NJ / NJ / NY / PA

Other

DOD Criteria Required?

Receipt Information (completed by Lab Personnel)
Received by: Date:
Cooler Temp: 3°C
Therm. ID: 5102359
No. of Coolers: 2
Notes:

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

Rev 6/07

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Analytical Laboratory Services, Inc.
Environmental • Industrial Hygiene • Field Services
34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 1 of 2
Courier: Federal Exp
Tracking #: 8646 0967 0

* 9 7 2 8 2 7 1 *

Co. Name: Tetra Tech NUS
Contact (Report to): Russ Turner Phone: 610 491 9688
Address: 234 Mall Boulevard
Suite 260
King of Prussia, PA 19406

Bill to (if different from Report to): Tetra Tech NUS PO#:
7 Foster Plaza
661 Anderson Drive

Project Name/#: Pittsburgh PA ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. Date Required:
[ ] Rush-Subject to ALSI approval and surcharges. Approved By:

Email? [ ] -Y
Fax? [ ] -Y No.:

**Container Type																							
**Container Size																							
Preservative																							

ANALYSES/METHOD REQUESTED

Internal COC Required

Cooler Temp: 3°C
Therm. ID: 5103X
No. of Coolers:
Notes:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	TCL VOC 8260B	1,4-Dioxane 8270C	Total TAL Metals	Dissolved TAL Metals	Correct containers?	Correct sample volumes?	Correct preservation?	Headspace/Moisture?	Circle appropriate Y or N.
							Enter Number of Containers Per Analysis								
6200	TB-20080318		3/18/08	1200	G	WQ	2				N	N	N	N	N
2	03MW02E-20080318		3/18/08	1346	G	GW	2	2	1	1	N	N	N	N	N
3	03MW02SE-20080318		3/18/08	1546	G	GW	2	2	1	1	N	N	N	N	N
4	03MW02S-20080318		3/18/08	1746	G	GW	2	2	1	1	N	N	N	N	N
5	03EW01-20080319		3/19/08	0923	G	GW	2	2	1	1	Y	Y	Y	Y	Y
6	03SW11-20080319		3/19/08	0944	G	GW	2	2	1		Y	Y	Y	Y	Y
7	03SW10-20080319		3/19/08	1015	G	GW	2	2	1		Y	Y	Y	Y	Y
8	03MW07S-20080319		3/19/08	1323	G	GW	2	2	1	1	Y	Y	Y	Y	Y

Custody seals Present? (if present) Seals intact? Received on Ice? COC labels complete/accurate? Container in good condition?

SAMPLED BY (Please Print): Charles Meyer
LOGGED BY (signature): date 3/20/08 time 1100
REVIEWED BY (signature): date 03/25/08 time 1113

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Charles Meyer TtNUS	3/19/08	1900	2 [signature]	3/20/08	1100
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
EDDs Required? [ ] If yes, format type:
NDMA Forms/Pg: yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Delivered to?: MD [ ] NJ [ ] NY [ ] PA [ ]
Other
DOD Criteria Required?

ALSI FIELD SERVICES
[ ] Pickup
[ ] Labor
[ ] Composite Sampling
[ ] Rental Equipment
[ ] Other:

* G=Grab; C=Composite
**Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WI=Wipe; WW=Wastewater
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

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34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2
Courier: Federal Express
Tracking #: 8646 0947 0650
COC# 9728271

Co. Name: Tetra Tech NUS
Contact (Report to): Russ Turner Phone: 610 441 4688
Address: 234 Mall Boulevard
Suite 260
King of Prussia, PA 19406

Bill to (if different from Report to): Tetra Tech NUS PO#:
7 Foster Plaza
661 Andersen Drive
Project Name/#: Pittsburgh, PA 15 ALSI Quote #:

TAT: [X] Normal-Standard TAT is 10-12 business days. Date Required:
[ ] Rush-Subject to ALSI approval and surcharges. Approved By:

Email? [ ] -Y
Fax? [ ] -Y No:

	Container Type	CG	AG	Poly	Poly	Poly						
	Container Size	40ml	1L/1pt	500 ml	500 ml	1L/2L						
	Preservative	HCl	4°C	HNO3	HNO3	4°C						

ANALYSES/METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	*Matrix	TCL VOC 8260B	1,4-Dioxane 8260C	Total TAL Metals	Dissolved TAL Metals	Hexavalent Chromium 7196A						Internal COC Required
							Enter Number of Containers Per Analysis										
0030	RB-20080318		3/18/08	1453	G	AQ	2	2	1	1	1						
2	DUP-03		3/18/08	1523	G	AQ	2	2	1	1							
3																	
4																	
5																	
6																	
7																	
8																	

Receipt Information (control in lab notebook)
Received by: [illegible]
Cooler Temp: 1.3°C
Thermometer ID: [illegible]
No. of Coolers:
Notes:

Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
Y	Y	Y	Y	
Custody seals Present?	(If present) Seals Intact?	Received on Ice?	COC/Labels complete/accurate?	Container in good condition?
Y	Y	Y	Y	

SAMPLED BY (Please Print):
LOGGED BY (signature): [illegible] 3/20/08 1405
REVIEWED BY (signature): [illegible] 3/25/08 1113

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [illegible] TT-NUS	3/19/08	1900	2 [illegible]	3/20/08	1140
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] EDDs Required? [ ] If yes, format type: Other
SDWA Forms Req'd: yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA
DOD Criteria Required?

ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
*Matrix: AI=Air; DW=Drinking Water; GW=Groundwater; OI=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WI=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 8/07

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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date(s): 03/11/08 03/11/08

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 0415 0703

LAB FILE ID: RF1: 5031103 RF5: 5031104 RF20: 5031105
RF50: 5031106 RF100: 5031107

COMPOUND	RF1	RF5	RF20	RF50	RF100
Acrolein	0.040	0.039	0.039	0.038	0.034
Acrylonitrile	0.084	0.081	0.089	0.086	0.079
Benzene	1.288	1.121	1.083	1.004	0.879
Bromoform	0.418	0.418	0.454	0.439	0.447
Carbon Tetrachloride	0.294	0.295	0.295	0.269	0.219
Chlorobenzene	1.165	0.951	1.023	0.927	0.825
Chlorodibromomethane	0.422	0.353	0.378	0.363	0.351
Chloroethane	0.197	0.184	0.184	0.202	0.175
2-Chloroethylvinyl ether	157.778	69.655	30.375	17.305	12.742
Chloroform	1.520	1.839	1.902	2.098	2.318
Bromodichloromethane	0.411	0.378	0.392	0.363	0.328
1,1-Dichloroethane	0.608	0.548	0.517	0.496	0.433
1,2-Dichloroethane	0.454	0.434	0.442	0.404	0.370
1,1-Dichloroethene	0.519	0.435	0.442	0.422	0.338
1,2-Dichloropropane	0.317	0.280	0.265	0.256	0.236
1,3-Dichloropropene, Total	0.678	0.626	0.669	0.616	0.579
Ethylbenzene	1.640	2.106	2.037	2.140	2.547
Bromomethane	4.442	8.485	7.244	5.303	5.797
Chloromethane	0.478	0.373	0.363	0.407	0.338
Methylene Chloride	0.388	0.339	0.314	0.305	0.266
1,1,2,2-Tetrachloroethane	1.105	0.952	1.001	0.948	0.871
Tetrachloroethene	0.263	0.256	0.250	0.225	0.192
Toluene	1.162	0.996	1.005	0.948	0.834
trans-1,2-Dichloroethene	0.457	0.431	0.431	0.405	0.342
1,1,1-Trichloroethane	0.439	0.403	0.386	0.365	0.298
Chloroprene	0.487	0.511	0.492	0.469	0.385
1,1,2-Trichloroethane	0.294	0.291	0.296	0.270	0.261
Trichloroethene	0.304	0.276	0.280	0.253	0.215
Vinyl Chloride	0.409	0.341	0.362	0.386	0.323
Freon 113	3.054	3.893	3.928	4.330	5.360
o-Xylene	0.682	0.618	0.673	0.633	0.561
mp-Xylene	0.687	0.637	0.662	0.608	0.519
2-Butanone	0.023	0.025	0.023	0.024	0.023
Trichlorofluoromethane	0.355	0.344	0.380	0.381	0.316
Tetrahydrofuran	0.070	0.063	0.061	0.056	0.051
4-Methyl-2-Pentanone(MIBK)	0.389	0.338	0.348	0.312	0.284
Pentane	3.300	5.244	5.411	6.033	7.738

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date(s): 03/11/08 03/11/08

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 0415 0703

LAB FILE ID: RF1: 5031103 RF5: 5031104 RF20: 5031105
RF50: 5031106 RF100: 5031107

COMPOUND	RF1	RF5	RF20	RF50	RF100
1,2-Dichlorobenzene	1.476	1.309	1.366	1.287	1.125
1,3-Dichlorobenzene	1.647	1.391	1.490	1.357	1.201
1,4-Dichlorobenzene	0.540	0.705	0.696	0.722	0.831
Hexachlorobutadiene	0.210	0.228	0.228	0.224	0.178
Naphthalene	2.058	1.859	2.056	2.026	1.858
1,2,4-Trichlorobenzene	0.698	0.644	0.716	0.681	0.585
Methyl methacrylate	0.254	0.220	0.240	0.234	0.226
Ethyl Methacrylate	0.415	0.476	0.501	0.488	0.474
Hexachloroethane	0.565	0.523	0.522	0.522	0.428
Propionitrile	0.024	0.030	0.030	0.030	0.027
Methacrylonitrile	0.174	0.166	0.159	0.152	0.148
Total Xylenes	0.685	0.630	0.665	0.617	0.533
Isopropyl Alcohol	0.013	0.011	0.012	0.012	0.012
Acetonitrile	0.032	0.029	0.028	0.028	0.027
Acetone	0.017	0.017	0.020	0.019	0.019
Methyl acetate	0.215	0.181	0.184	0.176	0.165
n-Propanol	0.018	0.018	0.018	0.017	0.015
Diisopropyl ether	1.092	1.013	0.996	0.952	0.874
Hexane	0.275	0.268	0.278	0.266	0.214
Ethyl Acetate	0.226	0.233	0.255	0.254	0.237
Isobutyl alcohol	NT	2332.487	907.745	1027.822	1036.704
Methyl acrylate	0.166	0.210	0.219	0.208	0.206
Ethyl tert-butyl ether	1.031	0.943	0.924	0.883	0.810
Chloroacetonitrile	429.014	86.837	84.644	83.111	85.933
1-Chlorobutane	2.446	2.640	2.750	3.070	3.738
tert-Amyl methyl ether	0.892	0.751	0.771	0.737	0.672
Dichlorodifluoromethane	1.879	2.310	2.250	2.216	2.758
1,2,3-Trichloropropane	0.260	0.275	0.288	0.268	0.254
Methyl cyclohexane	1.757	2.134	2.144	2.318	2.978
1,1-Dichloro-2-Propanone	472.003	190.720	134.216	153.905	139.878
trans-1,3-Dichloropropene	0.646	0.605	0.643	0.587	0.555
Pentachloroethane	0.753	0.628	0.655	0.615	0.542
cis-1,3-Dichloropropene	0.710	0.646	0.695	0.645	0.602
Cyclohexane	0.451	0.358	0.369	0.360	0.286
Heptane	0.143	0.130	0.137	0.127	0.099
Octane	0.168	0.173	0.185	0.178	0.141
Styrene	2.717	2.417	2.519	2.449	2.216

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date(s): 03/11/08 03/11/08

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 0415 0703

RF200: 5031108

COMPOUND	RF200
Acrolein	0.034
Acrylonitrile	0.087
Benzene	0.896
Bromoform	0.493
Carbon Tetrachloride	0.246
Chlorobenzene	0.828
Chlorodibromomethane	0.372
Chloroethane	0.179
2-Chloroethylvinyl ether	8.457
Chloroform	2.218
Bromodichloromethane	0.336
1,1-Dichloroethane	0.460
1,2-Dichloroethane	0.377
1,1-Dichloroethene	0.382
1,2-Dichloropropane	0.248
1,3-Dichloropropene, Total	0.594
Ethylbenzene	2.387
Bromomethane	4.936
Chloromethane	0.359
Methylene Chloride	0.286
1,1,2,2-Tetrachloroethane	0.913
Tetrachloroethene	0.212
Toluene	0.893
trans-1,2-Dichloroethene	0.367
1,1,1-Trichloroethane	0.330
Chloroprene	0.425
1,1,2-Trichloroethane	0.265
Trichloroethene	0.224
Vinyl Chloride	0.318
Freon 113	4.510
o-Xylene	0.583
mp-Xylene	0.521
2-Butanone	0.026
Trichlorofluoromethane	0.302
Tetrahydrofuran	0.053
4-Methyl-2-Pentanone(MIBK)	0.271
Pentane	6.484

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date(s): 03/11/08 03/11/08

Column: RTX-VMS ID: 0.25 (mm) Calibration Time(s): 0415 0703

RF200: 5031108

COMPOUND	RF200
1,2-Dichlorobenzene	1.182
1,3-Dichlorobenzene	1.271
1,4-Dichlorobenzene	0.784
Hexachlorobutadiene	0.213
Naphthalene	1.995
1,2,4-Trichlorobenzene	0.637
Methyl methacrylate	0.234
Ethyl Methacrylate	0.494
Hexachloroethane	0.491
Propionitrile	0.028
Methacrylonitrile	0.154
Total Xylenes	0.542
Isopropyl Alcohol	0.013
Acetonitrile	0.030
Acetone	0.020
Methyl acetate	0.173
n-Propanol	0.016
Diisopropyl ether	0.896
Hexane	0.237
Ethyl Acetate	0.254
Isobutyl alcohol	874.786
Methyl acrylate	0.223
Ethyl tert-butyl ether	0.837
Chloroacetonitrile	77.972
1-Chlorobutane	3.377
tert-Amyl methyl ether	0.694
Dichlorodifluoromethane	2.975
1,2,3-Trichloropropane	0.280
Methyl cyclohexane	2.539
1,1-Dichloro-2-Propanone	134.319
trans-1,3-Dichloropropene	0.567
Pentachloroethane	0.586
cis-1,3-Dichloropropene	0.620
Cyclohexane	0.336
Heptane	0.121
Octane	0.168
Styrene	2.374

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date: 03/30/08 Time: 1608

Lab File ID: 5033001A Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Acrolein	1540	1250	AVRG	23.2	100
Acrylonitrile	308	250	AVRG	23.2	100
Benzene	46.6	50.0	AVRG	6.8	100
Bromoform	51.1	50.0	AVRG	2.2	100
Carbon Tetrachloride	36.2	50.0	AVRG	27.6	100
Chlorobenzene	45.3	50.0	AVRG	9.4	100
Chlorodibromomethane	47.5	50.0	AVRG	5.0	100
Chloroethane	51.9	50.0	AVRG	3.8	100
2-Chloroethylvinyl ether	63.0	50.0	2ORDR	26.0	100
Chloroform	47.4	50.0	LINR	5.2	20.0
Bromodichloromethane	46.1	50.0	AVRG	7.8	100
1,1-Dichloroethane	48.1	50.0	AVRG	3.8	100
1,2-Dichloroethane	44.4	50.0	AVRG	11.2	100
1,1-Dichloroethene	42.1	50.0	AVRG	15.8	20.0
1,2-Dichloropropane	52.4	50.0	AVRG	4.8	20.0
1,3-Dichloropropene, Total	104	100	AVRG	4.0	100
Ethylbenzene	46.6	50.0	LINR	6.8	20.0
Bromomethane	65.1	50.0	2ORDR	30.2	100
Chloromethane	70.6	50.0	AVRG	41.2	100
Methylene Chloride	46.1	50.0	AVRG	7.8	100
1,1,2,2-Tetrachloroethane	56.2	50.0	AVRG	12.4	100
Tetrachloroethene	39.8	50.0	AVRG	20.4	100
Toluene	46.5	50.0	AVRG	7.0	20.0
~~trans-1,2-Dichloroethene~~	46.9	50.0	AVRG	6.2	100
1,1,1-Trichloroethane	37.3	50.0	AVRG	25.4	100
Chloroprene	43.2	50.0	AVRG	13.6	100
1,1,2-Trichloroethane	52.2	50.0	AVRG	4.4	100
Trichloroethene	41.9	50.0	AVRG	16.2	100
Vinyl Chloride	51.0	50.0	AVRG	2.0	20.0
Freon 113	44.2	50.0	2ORDR	11.6	100
o-Xylene	44.9	50.0	AVRG	10.2	100
mp-Xylene	86.6	100	AVRG	13.4	100
2-Butanone	287	250	AVRG	14.8	100
Trichlorofluoromethane	36.9	50.0	AVRG	26.2	100
Tetrahydrofuran	313	250	AVRG	25.2	100
4-Methyl-2-Pentanone(MIBK)	309	250	AVRG	23.6	100
Pentane	43.8	50.0	LINR	12.4	100

03MW021

No detections

0552

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date: 03/30/08 Time: 1608

Lab File ID: 5033001A Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,2-Dichlorobenzene	46.1	50.0	AVRG	7.8	100
1,3-Dichlorobenzene	44.4	50.0	AVRG	11.2	100
1,4-Dichlorobenzene	48.3	50.0	LINR	3.4	100
Hexachlorobutadiene	41.9	50.0	AVRG	16.2	100
Naphthalene	48.3	50.0	AVRG	3.4	100
1,2,4-Trichlorobenzene	43.7	50.0	AVRG	12.6	100
Methyl methacrylate	58.8	50.0	AVRG	17.6	100
Ethyl Methacrylate	60.2	50.0	AVRG	20.4	100
Hexachloroethane	40.5	50.0	AVRG	19.0	100
Propionitrile	305	250	AVRG	22.0	100
Methacrylonitrile	59.1	50.0	AVRG	18.2	100
Total Xylenes	132	150	AVRG	12.0	100
Isopropyl Alcohol	280	250	AVRG	12.0	100
Acetonitrile	346	250	AVRG	38.4	100
Acetone	308	250	AVRG	23.2	100
Methyl acetate	62.8	50.0	AVRG	25.6	100
n-Propanol	521	500	AVRG	4.2	100
Diisopropyl ether	58.0	50.0	AVRG	16.0	100
Hexane	41.8	50.0	AVRG	16.4	100
Ethyl Acetate	64.4	50.0	AVRG	28.8	100
Isobutyl alcohol	518	500	LINR	3.6	100
Methyl acrylate	61.6	50.0	AVRG	23.2	100
Ethyl tert-butyl ether	51.9	50.0	AVRG	3.8	100
Chloroacetonitrile	310	250	LINR	24.0	100
1-Chlorobutane	50.3	50.0	LINR	0.6	100
tert-Amyl methyl ether	50.5	50.0	AVRG	1.0	100
Dichlorodifluoromethane	48.1	50.0	2ORDR	3.8	100
1,2,3-Trichloropropane	53.4	50.0	AVRG	6.8	100
Methyl cyclohexane	40.7	50.0	LINR	18.6	100
1,1-Dichloro-2-Propanone	269	250	LINR	7.6	100
trans-1,3-Dichloropropene	51.4	50.0	AVRG	2.8	100
Pentachloroethane	45.0	50.0	AVRG	10.0	100
cis-1,3-Dichloropropene	52.8	50.0	AVRG	5.6	100
Cyclohexane	36.8	50.0	AVRG	26.4	100
Heptane	37.3	50.0	AVRG	25.4	100
Octane	47.2	50.0	AVRG	5.6	100
Styrene	49.0	50.0	AVRG	2.0	100

No detections

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date: 03/30/08 Time: 1608

Lab File ID: 5033001A Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,2-Dichloroethene, Total	96.9	100	AVRG	3.1	100
tert-Amyl Ethylether	51.0	50.0	AVRG	2.0	100
tert-Amyl Alcohol	272	250	AVRG	8.8	100
Ethyl Ether	51.8	50.0	AVRG	3.6	100
cis-1,2-Dichloroethene	49.9	50.0	AVRG	0.2	100
1,1,1,2-Tetrachloroethane	47.2	50.0	AVRG	5.6	100
Bromobenzene	47.1	50.0	AVRG	5.8	100
o-Chlorotoluene	45.6	50.0	AVRG	8.8	100
p-Chlorotoluene	47.2	50.0	AVRG	5.6	100
Dibromomethane	46.4	50.0	AVRG	7.2	100
1,1-Dichloropropene	42.4	50.0	AVRG	15.2	100
1,3-Dichloropropane	53.4	50.0	AVRG	6.8	100
2,2-Dichloropropane	46.3	50.0	LINR	7.4	100
1,2-Dibromo-3-chloropropane	51.5	50.0	AVRG	3.0	100
Methyl t-Butyl Ether	49.4	50.0	AVRG	1.2	100
Carbon Disulfide	49.7	50.0	LINR	0.6	100
Vinyl Acetate	54.0	50.0	LINR	8.0	100
2-Hexanone	324	250	AVRG	29.6	100
2-Nitropropane	265	250	AVRG	6.0	100
Bromochloromethane	46.2	50.0	AVRG	7.6	100
Isopropylbenzene	42.3	50.0	AVRG	15.4	100
n-Propylbenzene	39.9	50.0	AVRG	20.2	100
1,3,5-Trimethylbenzene	42.9	50.0	AVRG	14.2	100
tert-Butylbenzene	38.8	50.0	AVRG	22.4	100
1,2,4-Trimethylbenzene	47.3	50.0	LINR	5.4	100
sec-Butylbenzene	39.4	50.0	AVRG	21.2	100
p-Isopropyltoluene	38.8	50.0	AVRG	22.4	100
n-Butylbenzene	39.0	50.0	AVRG	22.0	100
1,2,3-Trichlorobenzene	43.6	50.0	AVRG	12.8	100
Iodomethane	65.3	50.0	2ORDR	30.6	100
trans-1,4-Dichloro-2-butene	56.0	50.0	AVRG	12.0	100
1-Chlorohexane	40.6	50.0	AVRG	18.8	100
1,2-Dibromoethane	50.3	50.0	AVRG	0.6	100
3-Chloro-1-propene	56.3	50.0	AVRG	12.6	100
Benzyl Chloride	52.4	50.0	LINR	4.8	100
Dichlorofluoromethane	46.9	50.0	LINR	6.2	100
tert.- Butyl Alcohol	223	250	AVRG	10.8	100

No detection!

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date: 03/26/08 Time: 1849

Lab File ID: 5032631 Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Acrolein	1480	1250	AVRG	18.4	100
Acrylonitrile	290	250	AVRG	16.0	100
Benzene	50.1	50.0	AVRG	0.2	100
Bromoform	50.3	50.0	AVRG	0.6	100
Carbon Tetrachloride	45.9	50.0	AVRG	8.2	100
Chlorobenzene	47.5	50.0	AVRG	5.0	100
Chlorodibromomethane	48.6	50.0	AVRG	2.8	100
Chloroethane	52.5	50.0	AVRG	5.0	100
2-Chloroethylvinyl ether	57.5	50.0	2ORDR	15.0	100
Chloroform	51.8	50.0	LINR	3.6	20.0
Bromodichloromethane	47.5	50.0	AVRG	5.0	100
1,1-Dichloroethane	49.8	50.0	AVRG	0.4	100
1,2-Dichloroethane	46.8	50.0	AVRG	6.4	100
1,1-Dichloroethene	48.8	50.0	AVRG	2.4	20.0
1,2-Dichloropropane	53.0	50.0	AVRG	6.0	20.0
1,3-Dichloropropene, Total	106	100	AVRG	6.0	100
Ethylbenzene	52.6	50.0	LINR	5.2	20.0
Bromomethane	62.4	50.0	2ORDR	24.8	100
Chloromethane	70.8	50.0	AVRG	41.6	100
Methylene Chloride	48.1	50.0	AVRG	3.8	100
1,1,2,2-Tetrachloroethane	51.6	50.0	AVRG	3.2	100
Tetrachloroethene	46.5	50.0	AVRG	7.0	100
Toluene	48.8	50.0	AVRG	2.4	20.0
trans-1,2-Dichloroethene	51.6	50.0	AVRG	3.2	100
1,1,1-Trichloroethane	45.4	50.0	AVRG	9.2	100
Chloroprene	49.7	50.0	AVRG	0.6	100
1,1,2-Trichloroethane	54.5	50.0	AVRG	9.0	100
Trichloroethene	47.1	50.0	AVRG	5.8	100
Vinyl Chloride	55.6	50.0	AVRG	11.2	20.0
Freon 113	59.0	50.0	2ORDR	18.0	100
o-Xylene	48.6	50.0	AVRG	2.8	100
mp-Xylene	97.2	100	AVRG	2.8	100
2-Butanone	270	250	AVRG	8.0	100
Trichlorofluoromethane	45.9	50.0	AVRG	8.2	100
Tetrahydrofuran	284	250	AVRG	13.6	100
4-Methyl-2-Pentanone(MIBK)	282	250	AVRG	12.8	100
Pentane	58.7	50.0	LINR	17.4	100

No detections

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date: 03/27/08 Time: 1838

Lab File ID: 5032/31 Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Acrolein	1480	1250	AVRG	18.4	100
Acrylonitrile	306	250	AVRG	22.4	100
Benzene	50.0	50.0	AVRG	0.0	100
Bromoform	51.0	50.0	AVRG	2.0	100
Carbon Tetrachloride	44.9	50.0	AVRG	10.2	100
Chlorobenzene	47.6	50.0	AVRG	4.8	100
Chlorodibromomethane	46.8	50.0	AVRG	6.4	100
Chloroethane	53.2	50.0	AVRG	6.4	100
2-Chloroethylvinyl ether	52.1	50.0	2ORDR	4.2	100
Chloroform	53.1	50.0	LINR	6.2	20.0
Bromodichloromethane	47.3	50.0	AVRG	5.4	100
1,1-Dichloroethane	51.5	50.0	AVRG	3.0	100
1,2-Dichloroethane	46.4	50.0	AVRG	7.2	100
1,1-Dichloroethene	50.3	50.0	AVRG	0.6	20.0
1,2-Dichloropropane	54.6	50.0	AVRG	9.2	20.0
1,3-Dichloropropene, Total	102	100	AVRG	2.0	100
Ethylbenzene	53.0	50.0	LINR	6.0	20.0
Bromomethane	58.7	50.0	2ORDR	17.4	100
Chloromethane	69.9	50.0	AVRG	39.8	100
Methylene Chloride	47.7	50.0	AVRG	4.6	100
1,1,2,2-Tetrachloroethane	52.8	50.0	AVRG	5.6	100
Tetrachloroethene	45.5	50.0	AVRG	9.0	100
Toluene	49.0	50.0	AVRG	2.0	20.0
trans-1,2-Dichloroethene	52.0	50.0	AVRG	4.0	100
1,1,1-Trichloroethane	44.7	50.0	AVRG	10.6	100
Chloroprene	50.1	50.0	AVRG	0.2	100
1,1,2-Trichloroethane	52.1	50.0	AVRG	4.2	100
Trichloroethene	47.7	50.0	AVRG	4.6	100
Vinyl Chloride	57.4	50.0	AVRG	14.8	20.0
Freon 113	57.6	50.0	2ORDR	15.2	100
o-Xylene	48.2	50.0	AVRG	3.6	100
mp-Xylene	95.9	100	AVRG	4.1	100
2-Butanone	277	250	AVRG	10.8	100
Trichlorofluoromethane	47.8	50.0	AVRG	4.4	100
Tetrahydrofuran	292	250	AVRG	16.8	100
4-Methyl-2-Pentanone(MIBK)	285	250	AVRG	14.0	100
Pentane	57.8	50.0	LINR	15.6	100

No detections

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MS05 Calibration Date: 03/30/08 Time: 0047

Lab File ID: 5032931A Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Acrolein	1530	1250	AVRG	22.4	100
Acrylonitrile	315	250	AVRG	26.0	100
Benzene	48.9	50.0	AVRG	2.2	100
Bromoform	49.9	50.0	AVRG	0.2	100
Carbon Tetrachloride	40.9	50.0	AVRG	18.2	100
Chlorobenzene	47.1	50.0	AVRG	5.8	100
Chlorodibromomethane	47.4	50.0	AVRG	5.2	100
Chloroethane	55.8	50.0	AVRG	11.6	100
2-Chloroethylvinyl ether	64.3	50.0	2ORDR	28.6	100
Chloroform	50.8	50.0	LINR	1.6	20.0
Bromodichloromethane	46.2	50.0	AVRG	7.6	100
1,1-Dichloroethane	50.1	50.0	AVRG	0.2	100
1,2-Dichloroethane	44.2	50.0	AVRG	11.6	100
1,1-Dichloroethene	46.8	50.0	AVRG	6.4	20.0
1,2-Dichloropropane	54.1	50.0	AVRG	8.2	20.0
1,3-Dichloropropene, Total	106.1 ~~0.00~~	100	AVRG	6 ~~100.0~~	100
Ethylbenzene	50.6	50.0	LINR	1.2	20.0
Bromomethane	63.4	50.0	LINR	26.8	100
Chloromethane	74.4	50.0	AVRG	48.8	100
Methylene Chloride	47.8	50.0	AVRG	4.4	100
1,1,2,2-Tetrachloroethane	56.0	50.0	AVRG	12.0	100
Tetrachloroethene	42.4	50.0	AVRG	15.2	100
Toluene	49.6	50.0	AVRG	0.8	20.0
trans-1,2-Dichloroethene	50.7	50.0	AVRG	1.4	100
1,1,1-Trichloroethane	42.0	50.0	AVRG	16.0	100
Chloroprene	48.0	50.0	AVRG	4.0	100
1,1,2-Trichloroethane	54.9	50.0	AVRG	9.8	100
Trichloroethene	45.2	50.0	AVRG	9.6	100
Vinyl Chloride	57.3	50.0	AVRG	14.6	20.0
Freon 113	48.9	50.0	LINR	2.2	100
o-Xylene	47.0	50.0	AVRG	6.0	100
mp-Xylene	90.7	100	AVRG	9.3	100
2-Butanone	280	250	AVRG	12.0	100
Trichlorofluoromethane	45.6	50.0	AVRG	8.8	100
Tetrahydrofuran	307	250	AVRG	22.8	100
4-Methyl-2-Pentanone(MIBK)	306	250	AVRG	22.4	100
Pentane	57.2	50.0	LINR	14.4	100

SMC 4/16/08

No detection!

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Instrument ID: MSC5 Calibration Date: 03/30/08 Time: 0047

Lab File ID: 5032931A Init. Calib. Date(s): 03/11/08 03/11/08

Heated Purge: (Y/N) N Init. Calib. Times: 0415 0703

GC Column: RTX-VMS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
1,2-Dichloroethene, Total	0.00	100	AVRG	100.0	100
tert-Amyl Ethylether	52.8	50.0	AVRG	5.6	100
tert-Amyl Alcohol	292	250	AVRG	16.8	100
Ethyl Ether	45.6	50.0	AVRG	8.8	100
cis-1,2-Dichloroethene	51.6	50.0	AVRG	3.2	100
1,1,1,2-Tetrachloroethane	46.8	50.0	AVRG	6.4	100
Bromobenzene	47.1	50.0	AVRG	5.8	100
o-Chlorotoluene	47.3	50.0	AVRG	5.4	100
p-Chlorotoluene	49.2	50.0	AVRG	1.6	100
Dibromomethane	47.8	50.0	AVRG	4.4	100
1,1-Dichloropropene	46.6	50.0	AVRG	6.8	100
1,3-Dichloropropane	53.2	50.0	AVRG	6.4	100
2,2-Dichloropropane	50.5	50.0	LINR	1.0	100
1,2-Dibromo-3-chloropropane	49.3	50.0	AVRG	1.4	100
Methyl t-Butyl Ether	50.1	50.0	AVRG	0.2	100
Carbon Disulfide	54.1	50.0	LINR	8.2	100
Vinyl Acetate	53.0	50.0	LINR	6.0	100
2-Hexanone	313	250	AVRG	25.2	100
2-Nitropropane	255	250	AVRG	2.0	100
Bromochloromethane	47.1	50.0	AVRG	5.8	100
Isopropylbenzene	45.5	50.0	AVRG	9.0	100
n-Propylbenzene	43.2	50.0	AVRG	13.6	100
1,3,5-Trimethylbenzene	44.8	50.0	AVRG	10.4	100
tert-Butylbenzene	42.0	50.0	AVRG	16.0	100
1,2,4-Trimethylbenzene	51.0	50.0	LINR	2.0	100
sec-Butylbenzene	43.4	50.0	AVRG	13.2	100
p-Isopropyltoluene	42.6	50.0	AVRG	14.8	100
n-Butylbenzene	43.5	50.0	AVRG	13.0	100
1,2,3-Trichlorobenzene	42.2	50.0	AVRG	15.6	100
Iodomethane	59.9	50.0	LINR	19.8	100
trans-1,4-Dichloro-2-butene	56.0	50.0	AVRG	12.0	100
1-Chlorohexane	46.2	50.0	AVRG	7.6	100
1,2-Dibromoethane	50.7	50.0	AVRG	1.4	100
3-Chloro-1-propene	59.3	50.0	AVRG	18.6	100
Benzyl Chloride	51.6	50.0	LINR	3.2	100
Dichlorofluoromethane	50.8	50.0	LINR	1.6	100
tert.- Butyl Alcohol	262	250	AVRG	4.8	100

No detection!

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix Spike - Sample No.: 453915 - 9728165006 MW-6

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Benzene	20.0	0.00	22.4	112	80-124
Bromoform	20.0	0.00	20.1	100	70-123
Carbon Tetrachloride	20.0	0.00	20.3	102	62-132
Chlorobenzene	20.0	0.00	20.1	100	85-117
Chlorodibromomethane	20.0	0.00	19.1	96	77-122
Chloroethane	20.0	0.00	21.9	110	51-142
Chloroform	20.0	0.00	22.3	112	78-122
Bromodichloromethane	20.0	0.00	20.5	102	79-126
1,1-Dichloroethane	20.0	0.00	23.4	117	78-124
1,2-Dichloroethane	20.0	0.00	19.9	100	70-133
1,1-Dichloroethene	20.0	0.00	23.7	118	63-128
1,2-Dichloropropane	20.0	0.00	23.6	118	81-127
Ethylbenzene	20.0	0.00	21.0	105	80-124
Bromomethane	20.0	0.00	22.4	112	45-148
Chloromethane	20.0	0.00	31.5	158*	38-156
Methylene Chloride	20.0	0.00	21.3	106	76-121
1,1,2,2-Tetrachloroetha	20.0	0.00	22.6	113	74-135
Tetrachloroethene	20.0	0.00	20.0	100	72-124
Toluene	20.0	0.00	20.7	104	80-125
trans-1,2-Dichloroethen	20.0	0.00	24.4	122	71-122
1,1,1-Trichloroethane	20.0	0.00	20.2	101	66-130
1,1,2-Trichloroethane	20.0	0.00	22.5	112	82-126
Trichloroethene	20.0	0.00	21.4	107	77-124
Vinyl Chloride	20.0	0.00	25.4	127	27-138
Freon 113	20.0	0.00	23.9	120	50-130
o-Xylene	20.0	0.00	19.4	97	79-124
mp-Xylene	40.0	0.00	39.8	100	79-125
2-Butanone	100	0.00	106	106	50-152

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix Spike - In-house QC Sample No.: 452747

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Benzene	20.0	0.00	20.6	103	80-120
Bromoform	20.0	0.00	19.8	99	70-130
Carbon Tetrachloride	20.0	0.00	19.3	96	65-140
Chlorobenzene	20.0	0.00	19.4	97	80-120
Chlorodibromomethane	20.0	0.00	19.3	96	60-135
Chloroethane	20.0	0.00	20.9	104	60-135
Chloroform	20.0	0.00	21.2	106	65-135
Bromodichloromethane	20.0	0.00	19.7	98	75-120
1,1-Dichloroethane	20.0	0.00	21.9	110	70-135
1,2-Dichloroethane	20.0	0.00	19.4	97	70-130
1,1-Dichloroethene	20.0	0.00	20.2	101	70-130
1,2-Dichloropropane	20.0	0.00	23.0	115	75-125
Ethylbenzene	20.0	0.00	20.4	102	75-125
Bromomethane	20.0	0.00	21.9	110	30-145
Chloromethane	20.0	0.00	28.2	141*	40-125
Methylene Chloride	20.0	0.00	20.3	102	55-140
1,1,2,2-Tetrachloroetha	20.0	0.00	22.5	112	65-130
Tetrachloroethene	20.0	0.00	18.8	94	45-150
Toluene	20.0	0.00	19.8	99	75-125
trans-1,2-Dichloroethen	20.0	0.00	21.1	106	60-140
1,1,1-Trichloroethane	20.0	0.00	18.5	92	65-130
1,1,2-Trichloroethane	20.0	0.00	22.2	111	75-125
Trichloroethene	20.0	0.00	19.8	99	70-125
Vinyl Chloride	20.0	0.00	23.5	118	50-145
Freon 113	20.0	0.00	21.8	109*	0-100
o-Xylene	20.0	0.00	19.2	96	80-120
mp-Xylene	40 ~~0.00~~	0.00	39.0	98 ~~999*~~	0-100
2-Butanone	100	0.00	104	104	30-150

SW 4/15/08

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

FORM III VOA

0505

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix Spike - In-house QC Sample No.: 453225

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Benzene	20.0	0.00	21.7	108	80-120
Bromoform	20.0	0.00	19.1	96	70-130
Carbon Tetrachloride	20.0	0.00	19.2	96	65-140
Chlorobenzene	20.0	0.00	20.3	102	80-120
Chlorodibromomethane	20.0	0.00	19.8	99	60-135
Chloroethane	20.0	0.00	17.6	88	60-135
Chloroform	20.0	0.00	22.4	112	65-135
Bromodichloromethane	20.0	0.00	20.3	102	75-120
1,1-Dichloroethane	20.0	0.00	23.0	115	70-135
1,2-Dichloroethane	20.0	0.00	19.6	98	70-130
1,1-Dichloroethene	20.0	0.00	22.6	113	70-130
1,2-Dichloropropane	20.0	0.00	23.5	118	75-125
Ethylbenzene	20.0	0.00	20.8	104	75-125
Bromomethane	20.0	0.00	26.0	130	30-145
Chloromethane	20.0	0.00	26.8	134*	40-125
Methylene Chloride	20.0	0.00	20.8	104	55-140
1,1,2,2-Tetrachloroetha	20.0	0.00	22.2	111	65-130
Tetrachloroethene	20.0	0.00	19.8	99	45-150
Toluene	20.0	0.00	20.2	101	75-125
trans-1,2-Dichloroethen	20.0	0.00	22.4	112	60-140
1,1,1-Trichloroethane	20.0	0.00	19.6	98	65-130
1,1,2-Trichloroethane	20.0	0.00	22.8	114	75-125
Trichloroethene	20.0	0.00	21.2	106	70-125
Vinyl Chloride	20.0	0.00	21.7	108	50-145
Freon 113	20.0	0.00	23.2	116*	0-100
o-Xylene	20.0	0.00	19.9	100	80-120
mp-Xylene	40.0	0.00	40.3	101*	0-100
2-Butanone	100	0.00	118	118	30-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

Matrix Spike - In-house QC Sample No.: 453930

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Benzene	20.0	0.00	21.0	105	80-120
Bromoform	20.0	0.00	19.4	97	70-130
Carbon Tetrachloride	20.0	0.00	18.1	90	65-140
Chlorobenzene	20.0	0.00	19.5	98	80-120
Chlorodibromomethane	20.0	0.00	18.6	93	60-135
Chloroethane	20.0	0.00	21.7	108	60-135
Chloroform	20.0	0.00	20.6	103	65-135
Bromodichloromethane	20.0	0.00	19.2	96	75-120
1,1-Dichloroethane	20.0	0.00	22.0	110	70-135
1,2-Dichloroethane	20.0	0.00	18.2	91	70-130
1,1-Dichloroethene	20.0	0.00	20.6	103	70-130
1,2-Dichloropropane	20.0	0.00	22.3	112	75-125
Ethylbenzene	20.0	0.00	19.5	98	75-125
Bromomethane	20.0	0.00	24.6	123	30-145
Chloromethane	20.0	0.00	30.1	150*	40-125
Methylene Chloride	20.0	0.00	19.9	100	55-140
1,1,2,2-Tetrachloroetha	20.0	0.00	22.0	110	65-130
Tetrachloroethene	20.0	0.00	18.7	94	45-150
Toluene	20.0	0.00	20.2	101	75-125
trans-1,2-Dichloroethen	20.0	0.00	22.0	110	60-140
1,1,1-Trichloroethane	20.0	0.00	18.1	90	65-130
1,1,2-Trichloroethane	20.0	0.00	22.1	110	75-125
Trichloroethene	20.0	0.00	19.8	99	70-125
Vinyl Chloride	20.0	0.00	25.1	126	50-145
Freon 113	20.0	0.00	21.9	110*	0-100
o-Xylene	20.0	0.00	18.6	93	80-120
mp-Xylene	40.0	0.00	38.6	96	0-100
2-Butanone	100	0.00	103	103	30-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

FORM III VOA

0509

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK002

	TETRA TECH SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 #	S8 #	TOT OUT
01	450577	78	82	73	33	48	78			0
02	450578	90	91	77	40	60	88			0
03	03MW04S-2008	92	90	79	36	56	87			0
04	DUP-02	6*	7*	6*	2*	4*	7*			0
05	03MW03SI-200	126*	119*	102	48	73*	113			0
06	03MW03S-2008	84	82	75	32	51	78			0
07	03MW03I-2008	78	75	58	32	47	69			0
08	66-W10S	88	83	70	36	55	82			0
09	66-W10SMS	81	82	74	31	48	86			0
10	66-W10SMSD	91	88	77	35	56	90			0
11										
12										
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		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(31-110)
S2 (FBP)	= 2-Fluorobiphenyl	(32-108)
S3 (TPH)	= Terphenyl-d14	(27-136)
S4 (PHL)	= Phenol-d5	(10- 49)
S5 (2FP)	= 2-Fluorophenol	(20- 70)
S6 (TBP)	= 2,4,6-Tribromophenol	(40-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out