N00158.AR.000296
NAS WILLOW GROVE
5090.3a

TETRA TECH NUS

PHIL- 22092

TO:	RUSS TURNER	DATE:	APRIL 25, 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-001

SAMPLES: 16/Aqueous/

03MW01I	03MW05I	03MW06SI	TB-20080311
03MW01S	03MW05S	03MW08D	TB-20080312
03MW04I	03MW06I	03MW08S	TB-20080313
03MW04SI	03MW06S	DUP-01	TB-20080314

*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-001 consists of 12 aqueous environmental samples (designated 03MW) and four field quality control (QC) blanks (designated TB-). Sample 03MW01I was designated as the matrix spike and matrix spike duplicate (MS/MSD) for this sample set. One field duplicate pair (DUP-01/03MW01S) was 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 11-14, 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

- Positive results at concentrations less than the reporting limits (RLs) were qualified as estimated (J).

Notes

Methylene chloride was detected in a trip blank. No action was taken because there were no detections of methylene chloride in the associated samples.

The continuing calibration percent difference (%D) exceeded QC criteria of 25% for chloromethane. No action was taken because there were no detections of chloromethane in the associated samples.

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

EXECUTIVE SUMMARY

Laboratory Performance: Two VOC compounds had initial calibration RRFs below QC criteria. One VOC compound exceeded the continuing calibration %D criteria. Two VOC compound recoveries exceeded LCS QC limits.

Other Factors Affecting Data Quality: None.

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

APPENDIX A

Qualified Analytical Results

PROJ_NO: 00845

SDG: TWK-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW01I-20080311
samp_date	3/11/2008
lab_id	9726965002
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	03MW01I-20080311
samp_date	3/11/2008
lab_id	9726965002
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	03MW01S-20080311
samp_date	3/11/2008
lab_id	9726965003
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW01S-20080311
samp_date	3/11/2008
lab_id	9726965003
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	1.9		
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	03MW04I-20080314
samp_date	3/14/2008
lab_id	9727555003
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	03MW04I-20080314
samp_date	3/14/2008
lab_id	9727555003
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	0.45	J	P
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW04SI-20080314
samp_date	3/14/2008
lab_id	9727555004
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	0.22	J	P
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	

nsample	03MW04SI-20080314
samp_date	3/14/2008
lab_id	9727555004
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	0.26	J	P
METHYLENE CHLORIDE	1	U	
O-XYLENE	1	U	
STYRENE	1	U	
TETRACHLOROETHENE	4.6		
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	03MW05I-20080311
samp_date	3/11/2008
lab_id	9726965004
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW05I-20080311
samp_date	3/11/2008
lab_id	9726965004
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	0.46	J	P
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	03MW05S-20080312
samp_date	3/12/2008
lab_id	9727192002
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	03MW05S-20080312
samp_date	3/12/2008
lab_id	9727192002
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW06I-20080314
samp_date	3/14/2008
lab_id	9727555002
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	0.2	J	P
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	03MW06I-20080314
samp_date	3/14/2008
lab_id	9727555002
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	03MW06S-20080313
samp_date	3/13/2008
lab_id	9727450003
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW06S-20080313
samp_date	3/13/2008
lab_id	9727450003
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	0.76	J	P
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	03MW06SI-20080313
samp_date	3/13/2008
lab_id	9727450002
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	03MW06SI-20080313
samp_date	3/13/2008
lab_id	9727450002
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW08D-20080312
samp_date	3/12/2008
lab_id	9727192004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6		
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	6.3		
1,1-DICHLOROETHENE	3.1		
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	0.28	J	P
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	1	U	
CHLOROFORM	1	U	
CHLOROMETHANE	1	U	
CIS-1,2-DICHLOROETHENE	1.2		

nsample	03MW08D-20080312
samp_date	3/12/2008
lab_id	9727192004
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		
TOLUENE	1	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1.9		
TRICHLOROFLUOROMETHANE	1	U	
VINYL CHLORIDE	1	U	

nsample	03MW08S-20080312
samp_date	3/12/2008
lab_id	9727192003
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	03MW08S-20080312	nsample	DUP-01	nsample	DUP-01
samp_date	3/12/2008	samp_date	3/11/2008	samp_date	3/11/2008
lab_id	9727192003	lab_id	9726965005	lab_id	9726965005
qc_type	NM	qc_type	FD	qc_type	FD
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	03MW01S-20080311	DUP_OF:	03MW01S-20080311

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	

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	1.9		
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	

PROJ_NO: 00845

SDG: TWK-001 MEDIA: WATER DATA FRACTION: OV

nsample	TB-20080311
samp_date	3/11/2008
lab_id	9726965001
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-20080311
samp_date	3/11/2008
lab_id	9726965001
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	

nsample	TB-20080312
samp_date	3/12/2008
lab_id	9727192001
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	

PROJ_NO: 00845

SDG: TWK-001 MEDIA: WATER DATA FRACTION: OV

nsample	TB-20080312
samp_date	3/12/2008
lab_id	9727192001
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	

nsample	TB-20080313
samp_date	3/13/2008
lab_id	9727450001
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-20080313
samp_date	3/13/2008
lab_id	9727450001
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	0.3	J	P
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-001 MEDIA: WATER DATA FRACTION: OV

nsample	TB-20080314
samp_date	3/14/2008
lab_id	9727555001
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
samp_date	3/14/2008
lab_id	9727555001
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-001 MEDIA: WATER DATA FRACTION: OS

nsample	03MW01I-20080311	nsample	03MW01S-20080311	nsample	03MW04I-20080314
samp_date	3/11/2008	samp_date	3/11/2008	samp_date	3/14/2008
lab_id	9726965002	lab_id	9726965003	lab_id	9727555003
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	2.8	U	

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

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

PROJ_NO: 00845

SDG: TWK-001 MEDIA: WATER DATA FRACTION: OS

nsample	03MW04SI-20080314	nsample	03MW05I-20080311	nsample	03MW05S-20080312
samp_date	3/14/2008	samp_date	3/11/2008	samp_date	3/12/2008
lab_id	9727555004	lab_id	9726965004	lab_id	9727192002
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	2.8	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-001 MEDIA: WATER DATA FRACTION: OS

nsample	03MW06I-20080314	nsample	03MW06S-20080313	nsample	03MW06SI-20080313
samp_date	3/14/2008	samp_date	3/13/2008	samp_date	3/13/2008
lab_id	9727555002	lab_id	9727450003	lab_id	9727450002
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	2.8	U	

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

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

PROJ_NO: 00845

SDG: TWK-001 MEDIA: WATER DATA FRACTION: OS

nsample	03MW08D-20080312
samp_date	3/12/2008
lab_id	9727192004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

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

nsample	03MW08S-20080312
samp_date	3/12/2008
lab_id	9727192003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

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

nsample	DUP-01
samp_date	3/11/2008
lab_id	9726965005
qc_type	FD
units	UG/L
Pct_Solids	
DUP_OF:	03MW01S-20080311

Parameter	Result	Val Qual	Qual Code
1,4-DIOXANE	2.8	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-20080311

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032006

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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-20080311

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032006

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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

03MW01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965002

Sample wt./vol: 5.000 (g/ml) ML Lab File ID: 1032011

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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

03MW01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032011

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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

03MW01S-
20080311

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032012

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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	1.9	
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

03MW01S-
20080311

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032012

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032017

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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	1.9	
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

DUP-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032017

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: not dec. _____ Date Analyzed: 03/20/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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-20080312

Lab Name: Contract: -

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032414

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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-20080312

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032414

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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

03MW05S-
20080312
-

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032415

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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

03MW05S-
20080312
-

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032415

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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.

03MW08S-
20080312

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032416

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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

03MW08S-
20080312

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032416

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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

03MW08D-
20080312

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032417

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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	0.28	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	6.3	
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	3.1	
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	
108-88-3	Toluene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	2.6	
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.9	
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

03MW08D-
20080312

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 1032417

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: not dec. _____ Date Analyzed: 03/24/08

GC Column: DB-VRX 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
67-64-1	Acetone	10.0	U
75-71-8	Dichlorodifluoromethane	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
79-20-9	Methyl acetate	2.0	U
100-42-5	Styrene	1.0	U
108-87-2	Methyl cyclohexane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.2	
96-12-8	1,2-Dibromo-3-chloropropane	7.0	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-20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032638

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

% Moisture: not dec. _____ Date Analyzed: 03/26/08

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.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032638

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

% Moisture: not dec. _____ Date Analyzed: 03/26/08

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-20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727450001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032639

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

% Moisture: not dec. _____ Date Analyzed: 03/26/08

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	0.30	J
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-20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727450001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032639

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

% Moisture: not dec. _____ Date Analyzed: 03/26/08

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.: TWK001

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.: TWK001

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

03MW06SI
-20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727450002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032642

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	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

03MW06SI -20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727450002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032642

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

03MW061-
- 20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032643

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	0.20	J
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

| 03MW06I- |
| 20080314 |

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032643

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

03MW04I-
20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032644

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	0.45	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

03MW04I-
20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032644

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

03MW04SI
-20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032645

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	0.22	J
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	4.6	
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

03MW04SI
-20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032645

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	0.26	J
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

03MW01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965002

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 6031712

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/17/08

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

03MW01S- 20080311

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965003

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 6031715

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/18/08

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

DUP-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965005

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 60317A17

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/18/08

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

03MW05S-
20080312

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192002

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 60317A22

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/18/08

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

03MW08S-
20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192003

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 60317A23

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/18/08

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

03MW08D-
20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727192004

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 60317A24

Level: (low/med) LOW Date Received: 03/13/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/18/08

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

03MW06SI
-20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727450002

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 2031910

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/18/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/20/08

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

03MW06S-
20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

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

Sample wt/vol: 1040 (g/mL) ML Lab File ID: 2031911

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/18/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/20/08

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

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

03MW061- 20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555002

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 2031912

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/18/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/20/08

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

03MW04I-
20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555003

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 2031913

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

% Moisture: _____ decanted: (Y/N) __ Date Extracted: 03/18/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/20/08

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

03MW04SI
-20080314

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727555004

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 2031914

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

% Moisture: ____ decanted: (Y/N)___ Date Extracted: 03/18/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/20/08

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

03MW05I-
20080311

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9726965004

Sample wt/vol: 1060 (g/mL) ML Lab File ID: 4032505

Level: (low/med) LOW Date Received: 03/12/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 03/25/08

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

APPENDIX C

Support Documentation

Willow Grove

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 ___ of ___
Courier: Federal Express
Tracking #: 8646 0967 057

9726965

Co. Name: Tetra Tech NUS
Contact (Report to): Don Whalen Phone: 610 4419655
Address: 234 Mall Boulevard
Suite 260
King of Prussia PA 19406

Bill to (if different than Report to): Tetra Tech NUS PO#:
1 Foster Plaza 7
661 Andersen Drive
Project Name/#: Pittsburgh PA 15220 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																							
Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	8260B - TCL Compounds	8270C 1,4-Dioxane	Total Metals	Dissolved Metals	Hexavalent Chromium													
						Enter Number of Containers Per Analysis																	
1 TB-20080311		3/11/08	0700	G	GW	2																	
2 03MW01I-20080311		3/11/08	0923	G	GW	6	6	3	3	3													
3 03MW01S-20080311		3/11/08	1245	G	GW	2	2	1	1	1													
4 03MW05I-20080311		3/11/08	1558	G	GW	2	2	1	1	1													
5 Dup-01		3/11/08	1745	G	GW	2	2	1	1	1													
6																							
7																							
8																							

Cooler Temp: 4°C
Therm. ID: 5L03X55
No. of Coolers:
Notes:

Correct containers? Y N
Correct sample volume? Y N
Correct preservation? Y N
Needs pace/VOA/filter? Y N
Circle appropriate Y or N.
Custody seals Present? Y N
If present, Seals Intact? Y N
Received on Ice? Y N
COC/labels complete/accurate? Y N
Container in good condition? Y N

SAMPLED BY (Please Print): Charles Meyer
LOGGED BY (signature): Date 3/12/08 Time 1811
REVIEWED BY (signature): Date 03/20/08 Time 1151

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Charles Meyer TtNUS	3/11/08	1830	2		
3			4	3/12/08	1140
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
Edits Required? [ ] If yes, format type:
SDWA Forms? yes yes yes yes
State Samples Collected in? 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; WP=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 6/07

Laboratory supplied Trip Blank DO MS/MSD on 03MW01I-20080311

ANALYTICAL LABORATORY SERVICES, INC.
34 Dogwood Lane • Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430
www.analyticallab.com
HELAP Accredited PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH DOD

Report ID: 9727192

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 ___ of ___
Courier: Federal Exp
Tracking #: 864609676

* 9 7 2 7 1 9 2 *

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): PO#:

Project Name/#: ALSI Quote #:

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

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

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	G or C	Matrix	TCL VOC 8260B	Total TAL Metals	Dissolved Metals	1,4-Dioxane 8270C	Hexavalent Chromium							
					Container Type	CG	Poly	Poly	Amber Glass	Poly							
					Container Size	40ml	500ml	500ml	1Liter	1Liter							
					Preservative	HCl	HNO3	H2SO4	4°C	4°C							
						ANALYSES/METHOD REQUESTED											
						Enter Number of Containers Per Analysis											
0029 TB-20080312	3/13/08 1018	3/12/08	~~0700~~	G	Aq	2											
2 03MW05S 20080312	Pks 3/13	3/12/08	1046	G	GW	2	1	1	2	1							
3 03MW08S 20080312		3/12/08	1454	G	GW	2	1	1	2								
4 03MW08D 20080312		3/12/08	1700	G	GW	2	1	1	2								
5																	
6																	
7																	
8																	

Cooler Temp: 4°C
Therm. ID: 51023859
No. of Coolers:
Notes:

	1	2	3	4	5
Correct containers?	Y	Y	Y	Y	Y
Correct sample volume?	Y	Y	Y	Y	Y
Correct preservation?	Y	Y	Y	Y	Y
Headspace/Voids?				Y	Y
Circle appropriate Y or N.					
Custody seals Present?	Y	Y	Y	Y	Y
(If present) Seals intact?	Y	Y	Y	Y	Y
Received on Ice?	Y	Y	Y	Y	Y
COC-chain complete/accurate?	Y	Y	Y	Y	Y
Container in good condition?	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): Charles Meyer
LOGGED BY (signature): [signature] Date 03/13/08 Time 1405
REVIEWED BY (signature): [signature] Date 03/24/08 Time 1155

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Charles Meyer TtNUS	3/12/08	1900	2		
3			4 [signature]	3/13/08	1018
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] ____ [ ] Y yes, format type:
EDDs Required?
DOD Criteria Required?
SWIM Format? yes / yes / yes / yes
State Samples Collected In? MD / NJ / NY / PA / Other
ALSI FIELD SERVICES: [ ] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Oil=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=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, H2SO4, etc.
Rev 6/07

ANALYTICAL LABORATORY SERVICES, INC.
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430
www.analyticallab.com
NELAP Accredited PA 22-293 NJ PA010
ACCREDITED IN ACCORDANCE WITH

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 ___ of ___
Courier: Federal Express
Tracking #: 8646096708

9727450

Co. Name: Tetratech NUS
Contact (Report to): Russ Turner Phone: 610 441 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 Andersen Drive
Project Name/#: Pittsburgh PA 15220 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.:

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	Hexavalent Chromium							
						ANALYSES/METHOD REQUESTED											
						Enter Number of Containers Per Analysis											
**Container Type						CG	AG	Poly	Poly	Poly							
**Container Size						40ml	1Liter	500ml	500ml	1Liter							
Preservative						HCl	4°C	HNO3	HNO3	4°C							
1 TB-20080313	TB TS 3/14/08	3/13/08	0810	G	GW	2											
2 03MW06SI-20080313	0121	3/14/08	1440	G	GW	2	2	1	1	1							
3 03MW06S-20080313		3/13/08	1714	G	GW	2	2	1	1	1							
4																	
5																	
6																	
7																	
8																	

Receipt Information Completed by Sample Receiver: Performed by: [signature]
Cooler Temp: 2°C
Therm. ID: 5102 8855
No. of Coolers:
Notes:

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

SAMPLED BY (Please Print): Charles Meyer
LOGGED BY (signature): [signature] Date 3/14/08 Time 11:45
REVIEWED BY (signature): [signature] Date 03/20/08 Time 1959

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Charles Meyer TtNUS	3/13/08	1900	2 [signature]	3/14/08	1121
3			4		
5			6		
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] Other
EDDs Required? [ ] If yes, format type:
SDWA Format? 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; 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

ANALYTICAL LABORATORY SERVICES, INC.
34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430
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Report ID: 9727555

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 1
Cooler:
Tracking #:
9727555

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): PO#:

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.

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	RCL VOC 8260B	1,4-Dioxane 8270C	Total Metals	Dissolved Metals	Hexavalent Chromium							
						Enter Number of Containers Per Analysis											
1 TB-20080314		3/14/08	0850	G	GW	2											
2 03MW06I-20080314		3/14/08	0915	G	GW	2	2	1	1	1							
3 03MW04I-20080314		3/14/08	1218	G	GW	2	2	1	1								
4 03MW04SI-20080314		3/14/08	1403	G	GW	2	2	1	1								
5																	
6																	
7																	
8																	

***Container Type	6L	AG	Poly	Poly	Poly					
***Container Size	40ml	1Liter	500ml	500ml	1Liter					
Preservative	HCl	4°C	HNO3	NaOH	4°C					

Receipt Information (provided by Sample Receiver)
Received by: RECEIVED
Cooler Temp: 2
Therm. ID: 5102355
No. of Cooilers:
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	Y

SAMPLED BY (Please Print): Charles Meyer
LOGGED BY (signature): Date 3/14/08 Time 1205
REVIEWED BY (signature): Date 03/20/08 Time 1600

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Megan Ritchie	3/14/08	1643	2 Bob Aquatechlab	3/14/08	1645
3 [illegible]	3/14/08	1645	4 [illegible]	3/14/08	1740
5 [illegible]	3/14	2020	6 [illegible]	3/14	2020
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] other
Effluent Required? [ ] If yes, format type:
SDWA Forms? yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? 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; WP=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 6/07

ANALYTICAL LABORATORY SERVICES, INC.
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0043

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

Analytical Laboratory Services Inc.
Analytical Narrative
TWK-001

Sample Management

This report contains the results of the analysis of sixteen (16) water samples collected on March 11, 12, 13 and 14, 2008. Analytical results and quality control information are summarized in this data package.

Sample Receipt

Samples arrived at ALSI via courier on March 12, 13 and 14, 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 MS01. All analyses were performed within the holding time.

Initial Calibrations. Six-point calibrations were analyzed on MS01 on February 25, 2008 and MS05 on March 11, 2008. These calibrations were used to quantitate the samples, blank and spikes. The initial calibrations met method criteria for all target analytes.

Continuing Calibration Checks. A continuing calibration check standard was analyzed on MS01 on March 20, 2008 and March 24, 2008, and on MS05 on March 25, 2008. The continuing calibration checks met method criteria for all target analytes.

Blanks. Method blanks, identified as 450409, 451648, and 452746 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. Spiked blanks, identified as 450410, 451649, and 452747 were analyzed with the samples. In 452747, chloromethane and Freon 113 were recovered above QC limits. All other target analyte recoveries were recovered within QC limits in the spiked blanks.

Matrix Spikes. A matrix spike and matrix spike duplicate, identified as 452764 and 452765, were digested and analyzed on sample 03MW06S (9727450003), in this deliverable group. All target analytes were recovered within QC limits in the matrix spikes.

Semi-volatile Organic Chemicals by Method 8270

Sample Handling. Twelve (12) water samples were extracted by SW-846 Method 3510 and the extract was analyzed by SW-846 Method 8270 for 1,4-Dioxane. The samples, extraction blanks and spikes were analyzed on MS02, MS04, and MS06. All extractions and analyses were performed within holding time.

Initial Calibrations. An eight-point calibration for SW-846 Method 8270 was analyzed on MS02 on March 6, 2008, on MS04 on March 13, 2008, and on MS06 on March 6, 2008. These calibrations were used for the analyses of the samples, blank and spikes. The initial calibrations met method criteria for all analytes.

Calibration Checks. A calibration check standard for SW-846 Method 8270 was analyzed on MS02 on March 19, 2008, on MS04 on March 25, 2008, and on MS06 on March 17, 2008. The calibration checks met method criteria for all analytes.

Blanks. Two method blanks, identified as 449641, and 448744, were extracted and analyzed with the samples. No target compounds were detected in the method blank.

Surrogates. A six-component surrogate mix was added to the sample, blank and spikes. All surrogate recoveries were within control in the sample, blank and spikes.

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 449642, and 448745, were spiked at 100 ug/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 448747 and 448748 respectively, were analyzed with project sample 9726965002 (03MW01). All analytes were recovered within QC limits with.

Total Metals by EPA Method 6010C

Sample handling. Twelve (12) water samples were analyzed for total metals on the TJA TRACE ICP using EPA Method 6010C. The samples were analyzed within the six-month holding time established for the method.

Calibration. Each day that the samples were analyzed, an initial four-point calibration was properly established and verified through the analysis of a second source calibration verification standard (QCS), an initial calibration blank (S0), an initial performance check (IPC), a reporting limit standard, an interference check standard (ICSA), and an interference check standard (ICSAB). Calibration checks were analyzed every ten samples and at the conclusion of the run. All criteria associated with the calibration and check standards were within the control limits for this method.

Blanks. Reagent (calibration) blanks were analyzed following the calibrations, after every ten samples, and at the conclusion of each run. Metals were not present in any of the reagent blanks at a detectable level. Four method blanks, identified as samples 449648-MB, 450591-MB, 451665-MB, and 452975-MB, were digested and analyzed with the samples in this deliverable group. Metals were not detected in the method blanks.

Laboratory Control Sample. Four laboratory control samples, identified as 449649-LCS, 450592-LCS, 451666-LCS, and 452976-LCS, were digested and analyzed with the samples in this deliverable group. All LCS spike recoveries were within the control limits of 80-120%.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Instrument ID: MS01 Calibration Date(s): 02/25/08 02/25/08

Column: DB-VRX ID: 0.25 (mm) Calibration Time(s): 0539 0814

LAB FILE ID: RF1: 1022503 RF5: 1022504 RF20: 1022505
RF50: 1022506 RF100: 1022507

COMPOUND	RF1	RF5	RF20	RF50	RF100
Acrolein	0.028	0.031	0.034	0.034	0.032
Acrylonitrile	0.067	0.067	0.075	0.076	0.077
Benzene	0.947	0.920	0.963	0.935	0.895
Bromoform	3.027	2.958	2.280	2.068	2.020
Carbon Tetrachloride	0.269	0.309	0.340	0.335	0.335
Chlorobenzene	0.799	0.945	0.937	0.940	0.906
Chlorodibromomethane	4.083	3.074	2.693	2.472	2.437
Chloroethane	5.041	7.204	6.858	7.119	7.056
2-Chloroethylvinyl ether	0.107	0.121	0.147	0.158	0.150
Chloroform	0.477	0.480	0.514	0.498	0.490
Bromodichloromethane	0.292	0.320	0.355	0.360	0.365
1,1-Dichloroethane	0.478	0.473	0.492	0.482	0.468
1,2-Dichloroethane	0.308	0.359	0.386	0.368	0.360
1,1-Dichloroethene	0.381	0.384	0.402	0.391	0.374
1,2-Dichloropropane	0.237	0.254	0.264	0.262	0.253
1,3-Dichloropropene, Total	0.432	0.509	0.560	0.584	0.575
Ethylbenzene	0.409	0.444	0.447	0.447	0.438
Bromomethane	3.335	4.468	4.694	5.080	4.796
Chloromethane	0.439	0.353	0.381	0.352	0.355
Methylene Chloride	0.260	0.279	0.279	0.277	0.276
1,1,2,2-Tetrachloroethane	0.600	0.746	0.838	0.809	0.782
Tetrachloroethene	0.246	0.262	0.247	0.259	0.257
Toluene	0.739	0.781	0.795	0.800	0.786
Chloroprene	0.383	0.382	0.399	0.399	0.392
trans-1,2-Dichloroethene	0.374	0.376	0.390	0.385	0.377
1,1,1-Trichloroethane	0.348	0.386	0.424	0.400	0.396
1,1,2-Trichloroethane	0.212	0.253	0.240	0.252	0.248
Trichloroethene	0.263	0.265	0.273	0.262	0.255
Vinyl Chloride	0.378	0.306	0.308	0.288	0.298
Freon 113	0.240	0.250	0.266	0.257	0.251
o-Xylene	0.420	0.506	0.513	0.537	0.513
mp-Xylene	0.470	0.536	0.529	0.542	0.508
2-Butanone	0.014	0.019	0.020	0.021	0.022
Trichlorofluoromethane	0.492	0.391	0.418	0.377	0.401
Tetrahydrofuran	0.046	0.048	0.055	0.053	0.051
4-Methyl-2-Pentanone(MIBK)	0.220	0.249	0.272	0.285	0.266
Pentane	3.808	7.172	6.923	7.361	7.487

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Instrument ID: MS01 Calibration Date(s): 02/25/08 02/25/08

Column: DB-VRX ID: 0.25 (mm) Calibration Time(s): 0539 0814

LAB FILE ID: RF1: 1022503 RF5: 1022504 RF20: 1022505
RF50: 1022506 RF100: 1022507

COMPOUND	RF1	RF5	RF20	RF50	RF100
1,2-Dichlorobenzene	1.079	1.262	1.273	1.287	1.255
1,3-Dichlorobenzene	1.224	1.380	1.361	1.387	1.347
1,4-Dichlorobenzene	1.532	1.414	1.454	1.420	1.379
Hexachlorobutadiene	7.845	5.211	4.743	4.423	4.420
Naphthalene	1.218	1.440	1.508	1.598	1.526
1,2,4-Trichlorobenzene	0.609	0.670	0.666	0.676	0.676
Methyl methacrylate	8.185	7.095	5.748	5.478	5.359
Ethyl Methacrylate	3.486	3.068	2.588	2.368	2.356
Hexachloroethane	0.462	0.535	0.598	0.608	0.593
Propionitrile	0.020	0.023	0.025	0.026	0.026
Methacrylonitrile	22.371	7.251	7.648	6.887	7.541
Total Xylenes	0.453	0.526	0.524	0.540	0.510
Isopropyl Alcohol	445.920	114.052	107.591	102.805	99.306
Acetonitrile	0.027	0.024	0.022	0.025	0.025
Acetone	0.015	0.016	0.017	0.016	0.016
n-Propanol	0.014	0.014	0.014	0.014	0.014
Hexane	0.283	0.282	0.283	0.258	0.275
Diisopropyl ether	0.872	0.897	0.955	0.944	0.898
Ethyl Acetate	6.784	5.184	4.411	4.445	4.454
Isobutyl alcohol	0.002	0.002	0.003	0.003	0.003
Methyl acrylate	0.134	0.170	0.189	0.199	0.192
Ethyl tert-butyl ether	0.793	0.827	0.850	0.863	0.836
Chloroacetonitrile	457.490	113.353	105.479	94.936	94.970
1-Chlorobutane	0.295	0.285	0.299	0.285	0.271
tert-Amyl methyl ether	0.622	0.658	0.712	0.716	0.701
Dichlorodifluoromethane	0.500	0.414	0.439	0.410	0.420
1,2,3-Trichloropropane	0.191	0.227	0.258	0.244	0.248
trans-1,3-Dichloropropene	0.367	0.489	0.550	0.563	0.556
1,1-Dichloro-2-Propanone	NY	0.004	0.006	0.006	0.006
cis-1,3-Dichloropropene	0.496	0.528	0.570	0.605	0.594
Pentachloroethane	0.631	0.611	0.667	0.678	0.671
Cyclohexane	0.308	0.347	0.364	0.352	0.346
Heptane	0.101	0.108	0.116	0.117	0.112
Octane	0.106	0.126	0.128	0.133	0.124
Methyl acetate	0.113	0.129	0.159	0.155	0.160
Styrene	1.819	2.066	2.188	2.216	2.151
Methyl cyclohexane	0.388	0.439	0.442	0.438	0.424

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Instrument ID: MS01 Calibration Date(s): 02/25/08 02/25/08

Column: DB-VRX ID: 0.25 (mm) Calibration Time(s): 0539 0814

RF200: 1022508

COMPOUND	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2
Acrolein	0.030	AVRG		3.156e-002	8.1
Acrylonitrile	0.076	AVRG		7.32e-002	6.4
Benzene	0.860	AVRG		0.91998432	4.0
Bromoform	1.840	LINR	0.11663830	0.54419741	0.998
Carbon Tetrachloride	0.346	AVRG		0.32258433	9.0
Chlorobenzene	0.868	AVRG		0.89930015	6.4
Chlorodibromomethane	2.396	LINR	4.819e-002	0.41930480	1.000
Chloroethane	6.843	LINR	2.053e-002	0.14566006	1.000
2-Chloroethylvinyl ether	0.155	AVRG		0.13959019	14.9
Chloroform	0.488	AVRG		0.49109228	2.8
Bromodichloromethane	0.374	AVRG		0.34425073	9.2
1,1-Dichloroethane	0.463	AVRG		0.47598287	2.2
1,2-Dichloroethane	0.362	AVRG		0.35735003	7.3
1,1-Dichloroethene	0.380	AVRG		0.38557726	2.6
1,2-Dichloropropane	0.252	AVRG		0.25373821	3.8
1,3-Dichloropropene, Total	0.559	AVRG		0.53647229	10.7
Ethylbenzene	0.428	AVRG		0.43555599	3.4
Bromomethane	4.623	LINR	3.677e-002	0.21559216	0.999
Chloromethane	0.359	AVRG		0.37309636	9.1
Methylene Chloride	0.276	AVRG		0.27473334	2.6
1,1,2,2-Tetrachloroethane	0.796	AVRG		0.76178961	11.1
Tetrachloroethene	0.274	AVRG		0.25747952	4.0
Toluene	0.774	AVRG		0.77941263	2.8
Chloroprene	0.394	AVRG		0.39151480	2.0
trans-1,2-Dichloroethene	0.375	AVRG		0.37932623	1.7
1,1,1-Trichloroethane	0.398	AVRG		0.39186427	6.3
1,1,2-Trichloroethane	0.246	AVRG		0.24199886	6.4
Trichloroethene	0.255	AVRG		0.26212817	2.6
Vinyl Chloride	0.300	AVRG		0.31301012	10.4
Freon 113	0.257	AVRG		0.25355845	3.5
o-Xylene	0.512	AVRG		0.50011224	8.1
mp-Xylene	0.484	AVRG		0.51163712	5.8
2-Butanone	0.021	AVRG		1.939e-002	14.8
Trichlorofluoromethane	0.403	AVRG		0.41368559	9.8
Tetrahydrofuran	0.048	AVRG		5.007e-002	7.1
4-Methyl-2-Pentanone(MIBK)	0.239	AVRG		0.25523655	9.3
Pentane	7.276	LINR	-6.66e-003	0.13649604	1.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Instrument ID: MS01 Calibration Date(s): 02/25/08 02/25/08

Column: DB-VRX ID: 0.25 (mm) Calibration Time(s): 0539 0814

RF200: 1022508

COMPOUND	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2
1,2-Dichlorobenzene	1.276	AVRG		1.23857494	6.4
1,3-Dichlorobenzene	1.379	AVRG		1.34640635	4.6
1,4-Dichlorobenzene	1.406	AVRG		1.43408032	3.8
Hexachlorobutadiene	4.287	LINR	4.804e-002	0.23378179	1.000
Naphthalene	1.472	AVRG		1.46042546	8.9
1,2,4-Trichlorobenzene	0.699	AVRG		0.66591114	4.5
Methyl methacrylate	5.237	LINR	5.218e-002	0.19171496	1.000
Ethyl Methacrylate	2.412	LINR	1.204e-002	0.41760612	1.000
Hexachloroethane	0.612	AVRG		0.56808796	10.4
Propionitrile	0.025	AVRG		2.432e-002	9.7
Methacrylonitrile	7.434	LINR	-4.78e-003	0.13448455	0.999
Total Xylenes	0.493	AVRG		0.50779551	6.1
Isopropyl Alcohol	94.829	LINR	0.37133470	1.057e-002	0.999
Acetonitrile	0.025	AVRG		2.462e-002	5.6
Acetone	0.017	AVRG		1.626e-002	5.1
n-Propanol	0.014	AVRG		1.397e-002	2.2
Hexane	0.287	AVRG		0.27818415	3.8
Diisopropyl ether	0.857	AVRG		0.90391106	4.3
Ethyl Acetate	4.476	LINR	3.849e-003	0.22389551	1.000
Isobutyl alcohol	0.003	AVRG		2.939e-003	12.6
Methyl acrylate	0.202	AVRG		0.18088294	14.2
Ethyl tert-butyl ether	0.807	AVRG		0.82940078	3.2
Chloroacetonitrile	97.819	LINR	4.173e-002	1.031e-002	1.000
1-Chlorobutane	0.271	AVRG		0.28433345	4.1
tert-Amyl methyl ether	0.688	AVRG		0.68281000	5.3
Dichlorodifluoromethane	0.415	AVRG		0.43303760	7.9
1,2,3-Trichloropropane	0.251	AVRG		0.23652581	10.4
trans-1,3-Dichloropropene	0.536	AVRG		0.51021690	14.7
1,1-Dichloro-2-Propanone	0.006	AVRG		5.589e-003	12.3
cis-1,3-Dichloropropene	0.583	AVRG		0.56272764	7.5
Pentachloroethane	0.650	AVRG		0.65165746	4.0
Cyclohexane	0.344	AVRG		0.34353636	5.5
Heptane	0.116	AVRG		0.11161745	5.6
Octane	0.125	AVRG		0.12377695	7.3
Methyl acetate	0.158	AVRG		0.14554546	13.5
Styrene	2.126	AVRG		2.09431451	6.9
Methyl cyclohexane	0.416	AVRG		0.42457484	4.8

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

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 VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

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	OK RSD=75	2332.487	907.745	1027.822	1036.704
Methyl acrylate	0.166	4-11-08 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 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

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.: TWK001

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 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

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	215 ~~999*~~	0-100
2-Butanone	100	0.00	104	104	30-150

SM 4/11/08

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

* Values outside of QC limits

COMMENTS: _____

FORM 1 Tetra Tech NUS, Inc SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-20080313

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

Matrix: (soil/water) WATER Lab Sample ID: 9727450001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5032639

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

% Moisture: not dec. _____ Date Analyzed: 03/26/08

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	0.30	J
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

x10 = 3

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: TWK001

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