UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
Environmental Sciences Center
701 Mapes Road
Fort Meade, Maryland 20755-5350

DATE : February 7, 2012

SUBJECT: Region III Data QA Review

FROM: Colleen Walling
Region III ESAT RPO (3EA20)

TO: Rich Fetzer
Remedial Project Manager (3HS31)

Attached is the organic data validation report for the Dimock Residential Groundwater site (Case #: 180-3644-01) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2763.

Attachment

TO: #0037 TDF: #002018A

cc: Gene Nance (Techlaw)
Suddha Graves (Techlaw)

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Lockheed Martin IS&GS – Civil
Energy & Environment
ESAT Region 3
US EPA Environmental Science Center
701 Mapes Road Ft. Meade, MD 20755-5350
Ex. 4 - CBI

DATE: February 7, 2012

SUBJECT: Organic Data Validation (Level M3)
Site: Dimock
PROJECT: 180-3644-1, SDG: H-1

FROM: Ex. 4 - CBI
Senior Data Reviewer

Ex. 4 - CBI
Senior Oversight Chemist

TO: Colleen Walling
ESAT Region 3 Project Officer

OVERVIEW

Project 180-3644-1, Sample Delivery Group (SDG) H-1, from the Dimock site consisted of eleven (11) and one (1) trip blank analyzed for compounds as listed below. All samples were submitted to TestAmerica Laboratories (TALP) for analysis. The sample set contained no field Quality Control (QC) samples. The samples were analyzed according to EPA methods as listed below, through Delivery of Analytical Services (DAS) program.

Analysis	Method
Volatile	8260B
Semivolatile	8270C
Dissolved Gases	RSK-175
Glycols	8015B
Gas Range Organic (GRO)	8015B
Diesel Range Organic (DRO)	8015B
Ethylene Dibromide (EDB)	8011

SUMMARY

Data were validated according to Region 3 Modifications to the National Functional Guidelines for Organic Data Review, Level M3 and is assigned the Superfund Data Validation Label S4VM (Stage_4_Validation_Manual). Areas of concern with data usability are listed below.

MINOR PROBLEMS

- Triethylene glycol failed precision criteria [Percent Difference (%D)] in the continuing calibrations. Positive results for this compound in associated samples were qualified "J" on the DSFs. The precision was greater than fifty percent (>50%) in continuing calibration verification (CCV) 480-3080-1/15. Quantitation limits for samples associated with this CCV were qualified "UJ" on the Data Summary Forms (DSFs).

- In the ethylene dibromide analyses, samples FPT-1, N-1 and D-1 were not preserved when received by the laboratory. No positive results were reported for this compound in these analyses. Quantitation limits for this compound in these samples were qualified "UL" on the DSF.

NOTES

- Compounds detected below the Reporting Limits (RLs) were qualified "J" on the DSFs unless superseded by "B".

- All Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) recoveries and Relative Percent Differences (RPDs) were within control limits.

- In the glycol analyses, Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample H1 reported recoveries of triethylene glycol outside the lower control limit in both analyses. Relative Percent Differences (RPDs) in these analyses were within control limits. No data were qualified based on MS/MSD recoveries by the reviewer.

- Sample volumes other than thirty-five (35) ml were used in the EDB analyses and other than one (1) liter in the semivolatile and DRO analyses of these samples. The dilution factors reported on the DSFs reflect actual sample volumes analyzed.

- In the volatile analyses, no positive results were reported for compounds found in the analysis of the trip blank associated with these samples. Therefore, no data were qualified based on this blank contamination.

- The volatile and semivolatile samples were not scanned for Tentatively Identified Compounds (TICs) by the laboratory.

- The trip blank was not listed on the Chain of Custody (COC) record contained in the data package. Therefore, a sampling time could not be determined for this sample. No action was taken by the reviewer based on this finding.

MINOR PROBLEMS

- Triethylene glycol failed precision criteria [Percent Difference (%D)] in the continuing calibrations. Positive results for this compound in associated samples were qualified "J" on the DSFs. The precision was greater than fifty percent (>50%) in continuing calibration verification (CCV) 480-3080-1/15. Quantitation limits for samples associated with this CCV were qualified "UJ" on the Data Summary Forms (DSFs).

- In the ethylene dibromide analyses, samples FPT-1, N-1 and D-1 were not preserved when received by the laboratory. An aliquot was taken from an un-preserved one (1) liter amber glass bottle and preserved by the laboratory for this analysis. No positive results were reported for this compound in these analyses. Quantitation limits for this compound in these samples were qualified "UL" on the DSF.

NOTES

- Compounds detected below the Reporting Limits (RLs) were qualified "J" on the DSFs unless superseded by "B".

- All Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) recoveries and Relative Percent Differences (RPDs) were within control limits.

- In the glycol analyses, Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of sample H1 reported recoveries of triethylene glycol outside the lower control limit in both analyses. Relative Percent Differences (RPDs) in these analyses were within control limits. No data were qualified based on MS/MSD recoveries by the reviewer.

- Sample volumes other than thirty-five (35) ml were used in the EDB analyses and other than one (1) liter in the semivolatile and DRO analyses of these samples. The dilution factors reported on the DSFs reflect actual sample volumes analyzed.

- In the volatile analyses, no positive results were reported for compounds found in the analysis of the trip blank associated with these samples. Therefore, no data were qualified based on this blank contamination.

- The volatile and semivolatile samples were not scanned for Tentatively Identified Compounds (TICs) by the laboratory.

- The trip blank was not listed on the Chain of Custody (COC) record contained in the data package. Therefore, a sampling time could not be determined for this sample. No action was taken by the reviewer based on this finding.

- Concentrations of target compounds found in the analysis of samples' associated method blanks are listed below. Only compounds used to qualify data are listed. Samples with concentration of these contaminants less than five times (<5X) the blank concentration have been qualified "B" on the DSFs.

Volatile Analyses

Blank	Compound	Concentration	Affected Samples
Method (180-14017)	chloroform	0.226 J µg/L	Trip Blank
	naphthalene	0.0789 J µg/L	H-1

GRO

Blank	Compound	Concentration	Affected Samples
Method (480-30437/3)	GRO	6.51 J µg/L	H-1, FH-1, FTP-1, RD-1, N-1

- Dissolved Gas samples listed below were re-analyzed at the dilutions given because the detected concentration of ethane and/or methane exceeded the linear calibration range in the initial analysis. The positive results for these compounds in these samples were reported from the dilutions by the reviewer and annotated with a "+" on the DSFs.

Sample	Dilution Factor	Compound
H-1	1000X	methane
FH-1	20X	methane
R-1, R-2	200X	ethane
	1000X	methane
KDE-1	10X	methane

ATTACHMENTS

1) Appendix A - Glossary of Data Qualifiers
2) Appendix B - Data Summary Forms
3) Appendix C - Chain of Custody (COC) Records
4) Appendix D - Laboratory Case Narrative

DCN: Project 180-3644-1DimockM3

Appendix A

Glossary of Data Qualifiers

GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION
(confidence concerning presence or absence of compounds)

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

NO CODE = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unusable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION
(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

NJ = Qualitative identification questionable due to poor resolution. Presumptively present at approximate quantity.

Q = No analytical result.

Appendix B

Data Summary Forms

DATA SUMMARY FORM: Volatiles

Project Number: 180-3644-1
Site :
Lab. :

SDG : H-1
DIMOCK
TALP

Number of Soil Samples : 0
Number of Water Samples : 12

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Trace Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acetone	5.0					4.2	J				
Benzene	1.0										
Toluene	1.0										
Bromodichloromethane	1.0										
Ethylbenzene	1.0										
Bromoform	1.0										
Xylenes, Total	3.0										
Bromomethane	1.0										
Isopropylbenzne	1.0										
2-Butanone	5.0										
Methyl tert-butyl ether	1.0										
1,2,4-Trimethylbenzene	1.0										
Carbon disulfide	1.0										
1,3,5-Trimethylbenzene	1.0										
Carbon tetrachloride	1.0										
Chlorobenzne	1.0										
Chloroethane	1.0										
Chloroform	1.0										
Dibromochloromethane	1.0										
1,2-dibromoethane (EDB)	1.0										
Naphthalene	1.0	0.11	B								
1,2-Dichloroethane	1.0										
1,2-Dichloroethene, Total	1.0										
1,1-Dichloroethane	1.0										
Bromochloromethane	1.0										
1,2-Dichloroethane	1.0										
1,1-Dichloroethene	1.0										
trans-1,2-Dichloroethene	1.0										
1,2-Dichloropropane	1.0										
cis-1,3-Dichloropropene	1.0										
trans-1,3-Dichloropropene	1.0										
Ethylbenzene	1.0										
2-Hexanone	5.0										

DATA SUMMARY FORM: Volatiles

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Trace Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylene Chloride	1.0										
4-Methyl-2-pentanone (MIBK)	5.0										
Styrene	1.0										
1,1,2,2-Tetrachloroethane	1.0										
Tetrachloroethene	1.0										
1,1,1-Trichloroethane	1.0										
1,1,2-Trichloroethane	1.0										
Trichloroethene	1.0										
Vinyl Chloride	1.0										
N-propylbenzne	1.0										
cis-1,2-dichloroethene	1.0										
1,2-Dichlorobenzene	1.0										
sec-Butylbenzene	1.0										
1,3-Dichlorobenzene	1.0										
p-Isopropyltoluene	1.0										
1,4-Dichlorobenzene	1.0										
1,2,4-Trichlorobenzene	1.0										
Chloromethane	1.0										
n-Butylbenzene	1.0										
m-Xylene & p-Xylene	2.0										
o-Xylene	1.0										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: Volatiles

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Trace Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acetone	5.0					2.6	J				
Benzene	1.0										
Toluene	1.0										
Bromodichloromethane	1.0										
Ethylbenzene	1.0										
Bromoform	1.0										
Xylenes, Total	3.0										
Bromomethane	1.0										
Isopropylbenzne	1.0										
2-Butanone	5.0										
Methyl tert-butyl ether	1.0										
1,2,4-Trimethylbenzene	1.0										
Carbon disulfide	1.0										
1,3,5-Trimethylbenzene	1.0										
Carbon tetrachloride	1.0										
Chlorobenzne	1.0										
Chloroethane	1.0										
Chloroform	1.0										
Dibromochloromethane	1.0										
1,2-dibromoethane (EDB)	1.0										
Naphthalene	1.0										
1,2-Dichloroethane	1.0										
1,2-Dichloroethene, Total	1.0										
1,1-Dichloroethane	1.0										
Bromochloromethane	1.0										
1,2-Dichloroethane	1.0										
1,1-Dichloroethene	1.0										
trans-1,2-Dichloroethene	1.0										
1,2-Dichloropropane	1.0										
cis-1,3-Dichloropropene	1.0										
trans-1,3-Dichloropropene	1.0										
Ethylbenzene	1.0										
2-Hexanone	5.0										

DATA SUMMARY FORM: Volatiles

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Trace Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylene Chloride	1.0										
4-Methyl-2-pentanone (MIBK)	5.0										
Styrene	1.0										
1,1,2,2-Tetrachloroethane	1.0										
Tetrachloroethene	1.0										
Toluene	1.0										
1,1,1-Trichloroethane	1.0										
1,1,2-Trichloroethane	1.0										
Trichloroethene	1.0										
Vinyl Chloride	1.0										
N-propylbenzne	1.0										
cis-1,2-dichloroethene	1.0										
1,2-Dichlorobenzene	1.0										
sec-Butylbenzene	1.0										
1,3-Dichlorobenzene	1.0										
p-Isopropyltoluene	1.0										
1,4-Dichlorobenzene	1.0										
1,2,4-Trichlorobenzene	1.0										
Chloromethane	1.0										
n-Butylbenzene	1.0										
m-Xylene & p-Xylene	2.0										
o-Xylene	1.0										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: Volatiles

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		D-1		TRIP BLANK							
Sampling Location :		D-1		TRIP BLANK							
Laboratory ID:		180-3644-11		180-3644-12							
Field QC:				Trip Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		9/01/2011		9/01/2011							
Time Sampled :		18:15		N/A							
pH :		<2.0		<2.0							
Dilution Factor :		1.0		1.0							
Trace Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acetone	5.0										
Benzene	1.0										
Toluene	1.0										
Bromodichloromethane	1.0										
Ethylbenzene	1.0										
Bromoform	1.0										
Xylenes, Total	3.0										
Bromomethane	1.0										
Isopropylbenzne	1.0										
2-Butanone	5.0										
Methyl tert-butyl ether	1.0										
1,2,4-Trimethylbenzene	1.0										
Carbon disulfide	1.0										
1,3,5-Trimethylbenzene	1.0										
Carbon tetrachloride	1.0										
Chlorobenzne	1.0										
Chloroethane	1.0										
Chloroform	1.0			0.28	B						
Dibromochloromethane	1.0										
1,2-dibromoethane (EDB)	1.0										
Naphthalene	1.0										
1,2-Dichloroethane	1.0										
1,2-Dichloroethene, Total	1.0										
1,1-Dichloroethane	1.0										
Bromochloromethane	1.0										
1,2-Dichloroethane	1.0										
1,1-Dichloroethene	1.0										
trans-1,2-Dichloroethene	1.0										
1,2-Dichloropropane	1.0										
cis-1,3-Dichloropropene	1.0										
trans-1,3-Dichloropropene	1.0										
Ethylbenzene	1.0										
2-Hexanone	5.0										

DATA SUMMARY FORM: Volatiles

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		D-1		TRIP BLANK							
Sampling Location :		D-1		TRIP BLANK							
Laboratory ID:		180-3644-11		180-3644-12							
Field QC:				Trip Blank							
Matrix :		Water		Water							
Units :		ug/L		ug/L							
Date Sampled :		9/01/2011		9/01/2011							
Time Sampled :		18:15		N/A							
pH :		<2.0		<2.0							
Dilution Factor :		1.0		1.0							
Trace Volatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Methylene Chloride	1.0										
4-Methyl-2-pentanone (MIBK)	5.0										
Styrene	1.0										
1,1,2,2-Tetrachloroethane	1.0										
Tetrachloroethene	1.0										
Toluene	1.0										
1,1,1-Trichloroethane	1.0										
1,1,2-Trichloroethane	1.0										
Trichloroethene	1.0										
Vinyl Chloride	1.0										
N-propylbenzne	1.0										
cis-1,2-dichloroethene	1.0										
1,2-Dichlorobenzene	1.0										
sec-Butylbenzene	1.0										
1,3-Dichlorobenzene	1.0										
p-Isopropyltoluene	1.0										
1,4-Dichlorobenzene	1.0										
1,2,4-Trichlorobenzene	1.0										
Chloromethane	1.0										
n-Butylbenzene	1.0										
m-Xylene & p-Xylene	2.0										
o-Xylene	1.0										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: BNA

Project Number: 180-3644-1
Site :
Lab. :

SDG : H-1
DIMOCK
TALP

Number of Soil Samples : 0
Number of Water Samples : 11

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC :											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
Dilution Factor :		0.97		0.96		0.96		0.96		0.96	
Semivolatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	0.20										
Anthracene	0.20										
Acenaphthylene	0.20										
Benzo(a)anthracene	0.20										
Benzo(b)fluoranthene	0.20										
Benzo(a)anthracene	0.20										
Benzo(g,h,i)perylene	0.20										
Benzo(a)pyrene	0.20										
Benzo(k)fluoranthene	0.20										
Chrysene	0.20										
Fluorene	0.20										
Indeo(1,2,3-cd)pyrene	0.20										
Bis(2-chloroethoxy)methane	1.00										
Phenanthrene	0.20	0.045	J								
Bis(2-chloroethyl)ether	0.20										
Pyrene	0.20										
Bis(2-ethylhexyl)phthalate	2.00	2.3									
Butylbenzylphthalate	1.00	0.49	J	0.48	J	0.47	J	0.36	J	0.31	J
Carbazole	0.20										
Chrysene	0.20										
2-Chloronaphthalene	0.20										
2-Chlorophenol	1.00										
2,4-Dichlorophenol	0.20										
2,4-Dimethylphenol	1.00										
2,4-Dinitrophenol	5.00										
2,4-Dinitrotoluene	1.00										
2,6-Dinitrotoluene	1.00										
1,2-Dichlorobenzene	1.00										
2-Methylnaphthalene	0.20	0.022	J								
1,3-Dichlorobenzene	1.00										
2-Methylphenol	1.00										
1,4-Dichlorobenzene	1.00										
2-Nitroaniline	5.00										

DATA SUMMARY FORM: BNA

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC :											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
Dilution Factor :		0.97		0.96		0.96		0.96		0.96	
Semivolatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Nitrophenol	1.00										
bis(2-chloroisopropyl)ether	0.20										
2,4,5-Trichlorophenol	1.00										
2,4,6-Trichlorophenol	1.00										
4-Nitroaniline	5.00										
4-Nitrophenol	5.00										
4-Chlorophenyl phenyl ether	1.00										
Methylphenol, 3 & 4	1.00										
4,6-Dinitro-2-methylphenol	5.00										
4-chloroaniline	1.00										
4-Chloro-3-methylphenol	1.00										
4-Bromophenyl phenyl ether	1.00										
Dibenz(a,h)anthracene	0.20										
Dibenzofuran	1.00										
Di-n-butylphthalate	1.00										
Diethylphthalate	1.00										
Dimethyphthalate	1.00										
Di-n-octylphthalate	1.00										
3,3'-Dichlorobenzidine	1.00										
3-Nitroaniline	5.00										
Fluoranthene	0.20										
1,2,4-Trichlorobenzene	1.00										
Hexachlorobenzene	0.20										
Hexachlorobutadiene	0.20										
Hexachlorocyclopentadiene	1.00										
Hexachloroethane	1.00										
Isophorone	1.00										
Naphthalene	0.20	0.37		0.061	J						
Nitrobenzene	2.00										
N-Nitrosodiphenylamine	1.00										
N-Nitroso-n-propylamine	0.20										
Phenol	0.20										
Phenanthrene	0.20										
Pentachlorophenol	1.00										
Benzyl alcohol	1.00										
N-Nitrosodimethylamine	1.00										
Benzoic acid	5.00										
1,2-Diphenylhydrazine (as Azobenzene)	1.00										
1-Methylnaphthalene	0.20	0.025	J								

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
Dilution Factor :		0.98		1.14		1.02		0.98		1.10	
Semivolatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	0.20									0.030	J
Anthracene	0.20										
Acenaphthylene	0.20										
Benzo(a)anthracene	0.20										
Benzo(b)fluoranthene	0.20										
Benzo(a)anthracene	0.20										
Benzo(g,h,i)perylene	0.20										
Benzo(a)pyrene	0.20										
Benzo(k)fluoranthene	0.20										
Chrysene	0.20										
Fluorene	0.20										
Indeo(1,2,3-cd)pyrene	0.20										
Bis(2-chloroethoxy)methane	1.00										
Phenanthrene	0.20									0.048	J
Bis(2-chloroethyl)ether	0.20										
Pyrene	0.20										
Bis(2-ethylhexyl)phthalate	2.00					1.8	J	22			
Butylbenzylphthalate	1.00	0.39	J	0.44	J	0.37	J	0.42	J	0.51	J
Carbazole	0.20										
Chrysene	0.20										
2-Chloronaphthalene	0.20										
2-Chlorophenol	1.00										
2,4-Dichlorophenol	0.20										
2,4-Dimethylphenol	1.00										
2,4-Dinitrophenol	5.00										
2,4-Dinitrotoluene	1.00										
2,6-Dinitrotoluene	1.00										
1,2-Dichlorobenzene	1.00										
2-Methylnaphthalene	0.20									0.016	J
1,3-Dichlorobenzene	1.00										
2-Methylphenol	1.00										
1,4-Dichlorobenzene	1.00										
2-Nitroaniline	5.00										

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC :											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
Dilution Factor :		0.98		1.14		1.02		0.98		1.10	
Semivolatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Nitrophenol	1.00										
bis(2-chloroisopropyl)ether	0.20										
2,4,5-Trichlorophenol	1.00										
2,4,6-Trichlorophenol	1.00										
4-Nitroaniline	5.00										
4-Nitrophenol	5.00										
4-Chlorophenyl phenyl ether	1.00										
Methylphenol, 3 & 4	1.00										
4,6-Dinitro-2-methylphenol	5.00										
4-chloroaniline	1.00										
4-Chloro-3-methylphenol	1.00										
4-Bromophenyl phenyl ether	1.00										
Dibenz(a,h)anthracene	0.20										
Dibenzofuran	1.00										
Di-n-butylphthalate	1.00										
Diethylphthalate	1.00										
Dimethyphthalate	1.00										
Di-n-octylphthalate	1.00										
3,3'-Dichlorobenzidine	1.00										
3-Nitroaniline	5.00										
Fluoranthene	0.20										
1,2,4-Trichlorobenzene	1.00										
Hexachlorobenzene	0.20										
Hexachlorobutadiene	0.20										
Hexachlorocyclopentadiene	1.00										
Hexachloroethane	1.00										
Isophorone	1.00										
Naphthalene	0.20									0.31	
Nitrobenzene	2.00										
N-Nitrosodiphenylamine	1.00										
N-Nitroso-n-propylamine	0.20										
Phenol	0.20										
Phenanthrene	0.20										
Pentachlorophenol	1.00										
Benzyl alcohol	1.00										
N-Nitrosodimethylamine	1.00										
Benzoic acid	5.00										
1,2-Diphenylhydrazine (as Azobenzene)	1.00										
1-Methylnaphthalene	0.20									0.023	J

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC :											
Matrix :		Water									
Units :		ug/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
Dilution Factor :		1.01									
Semivolatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acenaphthene	0.20										
Anthracene	0.20										
Acenaphthylene	0.20										
Benzo(a)anthracene	0.20										
Benzo(b)fluoranthene	0.20										
Benzo(a)anthracene	0.20										
Benzo(g,h,i)perylene	0.20										
Benzo(a)pyrene	0.20										
Benzo(k)fluoranthene	0.20										
Chrysene	0.20										
Fluorene	0.20										
Indeo(1,2,3-cd)pyrene	0.20										
Bis(2-chloroethoxy)methane	1.00										
Phenanthrene	0.20										
Bis(2-chloroethyl)ether	0.20										
Pyrene	0.20										
Bis(2-ethylhexyl)phthalate	2.00										
Butylbenzylphthalate	1.00	0.54	J								
Carbazole	0.20										
Chrysene	0.20										
2-Chloronaphthalene	0.20										
2-Chlorophenol	1.00										
2,4-Dichlorophenol	0.20										
2,4-Dimethylphenol	1.00										
2,4-Dinitrophenol	5.00										
2,4-Dinitrotoluene	1.00										
2,6-Dinitrotoluene	1.00										
1,2-Dichlorobenzene	1.00										
2-Methylnaphthalene	0.20										
1,3-Dichlorobenzene	1.00										
2-Methylphenol	1.00										
1,4-Dichlorobenzene	1.00										
2-Nitroaniline	5.00										

DATA SUMMARY FORM: BNA

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC :											
Matrix :		Water									
Units :		ug/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
Dilution Factor :		1.01									
Semivolatile Compound	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-Nitrophenol	1.00										
bis(2-chloroisopropyl)ether	0.20										
2,4,5-Trichlorophenol	1.00										
2,4,6-Trichlorophenol	1.00										
4-Nitroaniline	5.00										
4-Nitrophenol	5.00										
4-Chlorophenyl phenyl ether	1.00										
Methylphenol, 3 & 4	1.00										
4,6-Dinitro-2-methylphenol	5.00										
4-chloroaniline	1.00										
4-Chloro-3-methylphenol	1.00										
4-Bromophenyl phenyl ether	1.00										
Dibenz(a,h)anthracene	0.20										
Dibenzofuran	1.00										
Di-n-butylphthalate	1.00										
Diethylphthalate	1.00										
Dimethyphthalate	1.00										
Di-n-octylphthalate	1.00										
3,3'-Dichlorobenzidine	1.00										
3-Nitroaniline	5.00										
Fluoranthene	0.20										
1,2,4-Trichlorobenzene	1.00										
Hexachlorobenzene	0.20										
Hexachlorobutadiene	0.20										
Hexachlorocyclopentadiene	1.00										
Hexachloroethane	1.00										
Isophorone	1.00										
Naphthalene	0.20										
Nitrobenzene	2.00										
N-Nitrosodiphenylamine	1.00										
N-Nitroso-n-propylamine	0.20										
Phenol	0.20										
Phenanthrene	0.20										
Pentachlorophenol	1.00										
Benzyl alcohol	1.00										
N-Nitrosodimethylamine	1.00										
Benzoic acid	5.00										
1,2-Diphenylhydrazine (as Azobenzene)	1.00										
1-Methylnaphthalene	0.20										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: Dissolved Gases

Project Number: 180-3644-1 SDG : H-1 Number of Soil Samples : 0
Site : DIMOCK Number of Water Samples : 11
Lab. : TALP

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0/1000		1.0/20.0		1.0		1.0		1.0/200/1000	
Dissolved Gases	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Propane	3.0									18	
Ethane	1.5	2.3								260+	J
Ethylene	1.5										
Methane	1.0	12000+		33+						12000+	

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0/100/1000		1.0		1.0		1.0/10.0		1.0	
Dissolved Gases	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Propane	3.0	4.2									
Ethane	1.5	120+	J								
Ethylene	1.5										
Methane	1.0	5400+						79+			

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC:											
Matrix :		Water									
Units :		ug/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
pH :		<2.0									
Dilution Factor :		1.0									
Dissolved Gases	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Propane	3.0										
Ethane	1.5										
Ethylene	1.5										
Methane	1.0										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99
+ = Result reported from the diluted analysis. See dilution table in case narrative.

DATA SUMMARY FORM: Glycols

Project Number: 180-3644-1
Site :
Lab. :

SDG : H-1
DIMOCK
TALP

Number of Soil Samples : 0
Number of Water Samples : 11

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		mg/L		mg/L		mg/L		mg/L		mg/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Glycols	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene glycol	10	1.6	J	1.3	J					0.84	J
Propylene glycol	10										
Triethylene glycol	10	1.9	J	2.1	J		UJ		UJ		UJ
2,2'-Oxybisethanol	10	1.2	J			0.61	J	0.63	J		
2-Methoxyethanol	10	1.3	J			1.5	J	0.88	J	1.1	J
2-Ethoxyethanol	10										

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		mg/L		mg/L		mg/L		mg/L		mg/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
Dilution Factor :		1.0		1.0							
Glycols	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Ethylene glycol	10	1.0	J	1.2	J	1.1	J	1.6	J	1.1	J
Propylene glycol	10										
Triethylene glycol	10		UJ		UJ			4.0	J		
2,2'-Oxybisethanol	10	0.62	J	0.85	J	1.3	J	3.6	J	0.76	J
2-Methoxyethanol	10	1.1	J	1.4	J	0.91	J	1.0	J		
2-Ethoxyethanol	10										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: Glycols

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC:											
Matrix :		Water									
Units :		mg/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
Dilution Factor :		1.0									
Glycols	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene glycol	10	0.88	J								
Propylene glycol	10										
Triethylene glycol	10	3.2	J								
2,2'-Oxybisethanol	10										
2-Methoxyethanol	10										
2-Ethoxyethanol	10										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: Gas Range Organics (GRO)

Project Number: 180-3644-1 SDG : H-1
Site : DIMOCK
Lab. : TALP

Number of Soil Samples : 0
Number of Water Samples : 11

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Gas Range Organic (GRO)	25	7.7	B	5.4	B	12	B				

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0	
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Gas Range Organic (GRO)	25			11	B					10	B

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC:											
Matrix :		Water									
Units :		ug/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
pH :		<2.0									
Dilution Factor :		1.0									
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Gas Range Organic (GRO)	25										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: Diesel Range Organics (DRO)

Project Number: 180-3644-1 SDG : H-1 Number of Soil Samples : 0
Site : DIMOCK Number of Water Samples : 11
Lab. : TALP

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		mg/L		mg/L		mg/L		mg/L		mg/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
Dilution Factor :		0.94		0.94		1.04		1.03		0.94	
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Diesel Range Organic (DRO)	0.50										

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		mg/L		mg/L		mg/L		mg/L		mg/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
Dilution Factor :		0.95		1.14		0.99		0.99		0.98	
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Diesel Range Organic (DRO)	0.50										

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC:											
Matrix :		Water									
Units :		mg/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
pH :		<2.0									
Dilution Factor :		1.14									
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Diesel Range Organic (DRO)	0.50										

RL = Reporting Limit *Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS
To calculate sample quantitation limits: (RL * Dilution Factor) Revised 09/99

DATA SUMMARY FORM: EDB, DBCP, 1,2,3-TCP

Project Number: 180-3644-1
Site :
Lab. :

SDG : H-1
DIMOCK
TALP

Number of Soil Samples : 0
Number of Water Samples : 11

Sample Number :		H-1		FH-1		FPT-1		S-1		R-1	
Sampling Location :		H-1		FH-1		FPT-1		S-1		R-1	
Laboratory ID:		180-3644-1		180-3644-2		180-3644-3		180-3644-4		180-3644-5	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		11:15		08:40		9:35		10:15		13:20	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		0.99		0.99		0.99		0.99		0.98	
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Ethylene Dibromide (EDB)	0.020						UL				

Sample Number :		R-2		RD-1		RU-1		KDE-1		N-1	
Sampling Location :		R-2		RD-1		RU-1		KDE-1		N-1	
Laboratory ID:		180-3644-6		180-3644-7		180-3644-8		180-3644-9		180-3644-10	
Field QC:											
Matrix :		Water		Water		Water		Water		Water	
Units :		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :		9/01/2011		9/01/2011		9/01/2011		9/01/2011		9/01/2011	
Time Sampled :		13:40		14:10		14:45		15:35		17:45	
pH :		<2.0		<2.0		<2.0		<2.0		<2.0	
Dilution Factor :		1.0		1.0		1.0		0.98		1.0	
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Ethylene Dibromide (EDB)	0.020										UL

Sample Number :		D-1									
Sampling Location :		D-1									
Laboratory ID:		180-3644-11									
Field QC:											
Matrix :		Water									
Units :		ug/L									
Date Sampled :		9/01/2011									
Time Sampled :		18:15									
pH :		<2.0									
Dilution Factor :		0.99									
Analyte	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag		Flag
Ethylene Dibromide (EDB)	0.020		UL								

RL = Reporting Limit
To calculate sample quantitation limits: (RL * Dilution Factor)

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS
Revised 09/99

Appendix C

Chain of Custody (COC) Records

Chain of Custody Record

TestAmerica Laboratory location: Pittsburgh

Regulatory program: DW / NPDES / RCRA / Other

Water

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CABOT-EPA 003754

Client Contact				
Company Name: URS Corporation	Client Project Manager: Thomas Merski	Site Contact: Jim Pinta	Lab Contact: Carrie Gamber	COC No: 005410
Address: 501 Holiday Dr., Suite 300	Telephone: 412-503-4603	Telephone: 412-860-6342 (cell)	Telephone: 412-963-7058	___ of ___ COCs
City/State/Zip: Pittsburgh, PA 15220	Email: James-Pinta@urscorp.com	Analysis Turnaround Time		
Phone: 412-503-4700	David-Blanchild@urscorp.com	TAT if different from below: 3 weeks / 2 weeks / 1 week / 2 days / 1 day		
Project Name: K&L Gates Focused Site Assessment	Method of Shipment/Carrier: FedEx Next Day Air			
Project Number: 39938688.00001	Shipping/Tracking No:			
PO# 694872				

Analyses: VOCs; SVOCs; Metals (total/dissolved) (lab filters); Total PPL short list for petroleum products; HEM; Sulfide, pH, Alkalinity, Anions, TDS; Ammonia; Glycols; DRO/GRO; MBAS

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other	Filtered Sample	VOCs	SVOCs	Metals	Total PPL	HEM	Sulfide/pH/Alkalinity/Anions/TDS	Ammonia	Glycols	DRO/GRO	MBAS	Sample Specific Notes / Special Instructions
H-1	9/1/11	11:15AM	X													X	X	X	X	X	X	X	X	X	X	
FH-1	9/1/11	8:40AM	X													↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
FPT-1	9/1/11	9:35AM	X																							
S-1	9/1/11	10:15AM	X																							
R-1	9/1/11	1:20PM	X																							
R-2	9/1/11	1:40PM	X																							
RD-1	9/1/11	2:10PM	X																							
RY-1 / KDE-1	9/1/11 / 9/1/11	2:45PM / 3:35PM	X																							
N-1	9/1/11	5:45PM	X																							
D-1	9/1/11	6:15PM	X													↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return to Client / Disposal By Lab / Archive For ___ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	9/1/11			
[signature]	URS Corp	9/6/11 9:00 AM	[signature]	TA PIT	9/6/11 0900
			Received in Laboratory by:		

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TAL 0018-1 (04/10)

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
H-1	180-3644-A-1	Plastic 1 liter - unpreserved			
H-1	180-3644-B-1	Amber Glass 1 liter - Hydrochloric	2		
H-1	180-3644-C-1	Amber Glass 1 liter - Hydrochloric	2		
H-1	180-3644-D-1	Amber Glass 1 liter - Sulfuric Acid	2		
H-1	180-3644-E-1	Amber Glass 1 liter - Sulfuric Acid	2		
H-1	180-3644-F-1	Amber Glass 1 liter - unpreserved			
H-1	180-3644-G-1	Amber Glass 1 liter - unpreserved			
H-1	180-3644-H-1	Plastic 500ml - with Nitric Acid	2		
H-1	180-3644-I-1	Plastic 500ml - unpreserved			
H-1	180-3644-J-1	Plastic 250ml - with Sulfuric Acid	2		
H-1	180-3644-K-1	Voa Vial 40ml - unpreserved			
H-1	180-3644-L-1	Voa Vial 40ml - unpreserved			
H-1	180-3644-M-1	Voa Vial 40ml - unpreserved			
H-1	180-3644-N-1	Voa Vial 40ml - Hydrochloric Acid	P		
H-1	180-3644-O-1	Voa Vial 40ml - Hydrochloric Acid			
H-1	180-3644-P-1	Voa Vial 40ml - Hydrochloric Acid			
H-1	180-3644-Q-1	Voa Vial 40ml - Hydrochloric Acid			
H-1	180-3644-R-1	Voa Vial 40ml - Hydrochloric Acid			
H-1	180-3644-S-1	Voa Vial 40ml - Hydrochloric Acid			
H-1	180-3644-T-1	Voa Vial 40ml - with Sodium	P		
H-1	180-3644-U-1	Voa Vial 40ml - with Sodium			
H-1	180-3644-V-1	Voa Vial 40ml - with Sulfuric Acid			
H-1	180-3644-W-1	Voa Vial 40ml - with Sulfuric Acid			
FH-1	180-3644-A-2	Plastic 1 liter - unpreserved			
FH-1	180-3644-B-2	Amber Glass 1 liter - Hydrochloric	2		
FH-1	180-3644-C-2	Amber Glass 1 liter - Hydrochloric	2		
FH-1	180-3644-D-2	Amber Glass 1 liter - Sulfuric Acid	2		
FH-1	180-3644-E-2	Amber Glass 1 liter - Sulfuric Acid	2		
FH-1	180-3644-F-2	Amber Glass 1 liter - unpreserved			
FH-1	180-3644-G-2	Amber Glass 1 liter - unpreserved			
FH-1	180-3644-H-2	Plastic 500ml - with Nitric Acid	2		
FH-1	180-3644-I-2	Plastic 500ml - unpreserved			
FH-1	180-3644-J-2	Plastic 250ml - with Sulfuric Acid	2		
FH-1	180-3644-K-2	Voa Vial 40ml - unpreserved			
FH-1	180-3644-L-2	Voa Vial 40ml - unpreserved			
FH-1	180-3644-M-2	Voa Vial 40ml - unpreserved			

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
FH-1	180-3644-N-2	Voa Vial 40ml - Hydrochloric Acid	P		
FH-1	180-3644-O-2	Voa Vial 40ml - Hydrochloric Acid			
FH-1	180-3644-P-2	Voa Vial 40ml - Hydrochloric Acid			
FH-1	180-3644-Q-2	Voa Vial 40ml - Hydrochloric Acid			
FH-1	180-3644-R-2	Voa Vial 40ml - Hydrochloric Acid			
FH-1	180-3644-S-2	Voa Vial 40ml - Hydrochloric Acid			
FH-1	180-3644-T-2	Voa Vial 40ml - with Sodium			
FH-1	180-3644-U-2	Voa Vial 40ml - with Sodium			
FH-1	180-3644-V-2	Voa Vial 40ml - with Sulfuric Acid			
FH-1	180-3644-W-2	Voa Vial 40ml - with Sulfuric Acid			
FPT-1	180-3644-A-3	Plastic 1 liter - unpreserved			
FPT-1	180-3644-B-3	Amber Glass 1 liter - Hydrochloric	2		
FPT-1	180-3644-C-3	Amber Glass 1 liter - Hydrochloric	2		
FPT-1	180-3644-D-3	Amber Glass 1 liter - Sulfuric Acid	2		
FPT-1	180-3644-F-3	Amber Glass 1 liter - ~~unpreserved~~ sulfuric acid	2		
FPT-1	180-3644-G-3	Amber Glass 1 liter - unpreserved			
FPT-1	180-3644-H-3	Plastic 500ml - with Nitric Acid	2		
FPT-1	180-3644-I-3	Plastic 500ml - unpreserved			
FPT-1	180-3644-J-3	Plastic 250ml - with Sulfuric Acid	2		
FPT-1	180-3644-K-3	Voa Vial 40ml - unpreserved			
FPT-1	180-3644-L-3	Voa Vial 40ml - unpreserved			
FPT-1	180-3644-M-3	Voa Vial 40ml - unpreserved			
FPT-1	180-3644-N-3	Voa Vial 40ml - Hydrochloric Acid	P		
FPT-1	180-3644-O-3	Voa Vial 40ml - Hydrochloric Acid			
FPT-1	180-3644-P-3	Voa Vial 40ml - Hydrochloric Acid			
FPT-1	180-3644-Q-3	Voa Vial 40ml - Hydrochloric Acid			
FPT-1	180-3644-R-3	Voa Vial 40ml - Hydrochloric Acid			
FPT-1	180-3644-S-3	Voa Vial 40ml - Hydrochloric Acid			
FPT-1	180-3644-T-3	Voa Vial 40ml - with Sodium			
FPT-1	180-3644-U-3	Voa Vial 40ml - with Sodium			
FPT-1	180-3644-V-3	Voa Vial 40ml - with Sulfuric Acid			
FPT-1	180-3644-W-3	Voa Vial 40ml - with Sulfuric Acid			
S-1	180-3644-A-4	Plastic 1 liter - unpreserved			
S-1	180-3644-B-4	Amber Glass 1 liter - Hydrochloric	2		
S-1	180-3644-C-4	Amber Glass 1 liter - Hydrochloric	2		
S-1	180-3644-D-4	Amber Glass 1 liter - Sulfuric Acid	2		
S-1	180-3644-E-4	Amber Glass 1 liter - Sulfuric Acid	2		
S-1	180-3644-F-4	Amber Glass 1 liter - unpreserved			
S-1	180-3644-G-4	Amber Glass 1 liter - unpreserved			

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
S-1	180-3644-H-4	Plastic 500ml - with Nitric Acid	2		
S-1	180-3644-I-4	Plastic 500ml - unpreserved			
S-1	180-3644-J-4	Plastic 250ml - with Sulfuric Acid	2		
S-1	180-3644-K-4	Voa Vial 40ml - unpreserved			
S-1	180-3644-L-4	Voa Vial 40ml - unpreserved			
S-1	180-3644-M-4	Voa Vial 40ml - unpreserved			
S-1	180-3644-N-4	Voa Vial 40ml - Hydrochloric Acid	P		
S-1	180-3644-O-4	Voa Vial 40ml - Hydrochloric Acid			
S-1	180-3644-P-4	Voa Vial 40ml - Hydrochloric Acid			
S-1	180-3644-Q-4	Voa Vial 40ml - Hydrochloric Acid			
S-1	180-3644-R-4	Voa Vial 40ml - Hydrochloric Acid			
S-1	180-3644-S-4	Voa Vial 40ml - Hydrochloric Acid			
S-1	180-3644-T-4	Voa Vial 40ml - with Sodium			
S-1	180-3644-U-4	Voa Vial 40ml - with Sodium			
S-1	180-3644-V-4	Voa Vial 40ml - with Sulfuric Acid			
S-1	180-3644-W-4	Voa Vial 40ml - with Sulfuric Acid			
R-1	180-3644-A-5	Plastic 1 liter - unpreserved			
R-1	180-3644-B-5	Amber Glass 1 liter - Hydrochloric	2		
R-1	180-3644-C-5	Amber Glass 1 liter - Hydrochloric	2		
R-1	180-3644-D-5	Amber Glass 1 liter - unpreserved			
R-1	180-3644-E-5	Amber Glass 1 liter - unpreserved			
R-1	180-3644-F-5	Amber Glass 1 liter - unpreserved			
R-1	180-3644-G-5	Amber Glass 1 liter - unpreserved			
R-1	180-3644-H-5	Plastic 500ml - with Nitric Acid	2		
R-1	180-3644-I-5	Plastic 500ml - unpreserved			
R-1	180-3644-J-5	Plastic 250ml - with Sulfuric Acid	2		
R-1	180-3644-K-5	Voa Vial 40ml - unpreserved			
R-1	180-3644-L-5	Voa Vial 40ml - unpreserved			
R-1	180-3644-M-5	Voa Vial 40ml - unpreserved			
R-1	180-3644-N-5	Voa Vial 40ml - Hydrochloric Acid	P		
R-1	180-3644-O-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-P-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-Q-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-R-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-S-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-T-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-U-5	Voa Vial 40ml - Hydrochloric Acid			
R-1	180-3644-V-5	Voa Vial 40ml - with Sulfuric Acid			
R-1	180-3644-W-5	Voa Vial 40ml - with Sulfuric Acid			

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
R-2	180-3644-A-6	Plastic 1 liter - unpreserved			
R-2	180-3644-B-6	Amber Glass 1 liter - Hydrochloric	2		
R-2	180-3644-C-6	Amber Glass 1 liter - Hydrochloric	2		
R-2	180-3644-D-6	Amber Glass 1 liter - Sulfuric Acid	2		
R-2	180-3644-E-6	Amber Glass 1 liter - Sulfuric Acid	2		
R-2	180-3644-F-6	Amber Glass 1 liter - unpreserved			
R-2	180-3644-G-6	Amber Glass 1 liter - unpreserved			
R-2	180-3644-H-6	Plastic 500ml - with Nitric Acid	2		
R-2	180-3644-I-6	Plastic 500ml - unpreserved			
R-2	180-3644-J-6	Plastic 250ml - with Sulfuric Acid	2		
R-2	180-3644-K-6	Voa Vial 40ml - unpreserved			
R-2	180-3644-L-6	Voa Vial 40ml - unpreserved			
R-2	180-3644-M-6	Voa Vial 40ml - unpreserved			
R-2	180-3644-N-6	Voa Vial 40ml - Hydrochloric Acid	P		
R-2	180-3644-O-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-P-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-Q-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-R-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-S-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-T-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-U-6	Voa Vial 40ml - Hydrochloric Acid			
R-2	180-3644-V-6	Voa Vial 40ml - with Sulfuric Acid			
R-2	180-3644-W-6	Voa Vial 40ml - with Sulfuric Acid			
RD-1	180-3644-A-7	Plastic 1 liter - unpreserved			
RD-1	180-3644-B-7	Amber Glass 1 liter - Hydrochloric	2		
RD-1	180-3644-D-7	Amber Glass 1 liter - Sulfuric Acid	2		
RD-1	180-3644-E-7	Amber Glass 1 liter - Sulfuric Acid	2		
RD-1	180-3644-F-7	Amber Glass 1 liter - unpreserved			
RD-1	180-3644-G-7	Amber Glass 1 liter - unpreserved			
RD-1	180-3644-H-7	Plastic 500ml - with Nitric Acid	2		
RD-1	180-3644-I-7	Plastic 500ml - unpreserved			
RD-1	180-3644-J-7	Plastic 250ml - with Sulfuric Acid	2		
RD-1	180-3644-K-7	Voa Vial 40ml - unpreserved			
RD-1	180-3644-L-7	Voa Vial 40ml - unpreserved			
RD-1	180-3644-M-7	Voa Vial 40ml - unpreserved			
RD-1	180-3644-N-7	Voa Vial 40ml - Hydrochloric Acid	P		
RD-1	180-3644-O-7	Voa Vial 40ml - Hydrochloric Acid			
RD-1	180-3644-P-7	Voa Vial 40ml - Hydrochloric Acid			
RD-1	180-3644-Q-7	Voa Vial 40ml - Hydrochloric Acid			

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
RD-1	180-3644-R-7	Voa Vial 40ml - Hydrochloric Acid	P		
RD-1	180-3644-S-7	Voa Vial 40ml - Hydrochloric Acid			
RD-1	180-3644-T-7	Voa Vial 40ml - with Sodium			
RD-1	180-3644-U-7	Voa Vial 40ml - with Sodium			
RD-1	180-3644-V-7	Voa Vial 40ml - with Sulfuric Acid			
RD-1	180-3644-W-7	Voa Vial 40ml - with Sulfuric Acid			
RV-1	180-3644-A-8	Plastic 1 liter - unpreserved			
RV-1	180-3644-B-8	Amber Glass 1 liter - Hydrochloric	2		
RV-1	180-3644-C-8	Amber Glass 1 liter - Hydrochloric	2		
RV-1	180-3644-D-8	Amber Glass 1 liter - Sulfuric Acid	2		
RV-1	180-3644-E-8	Amber Glass 1 liter - Sulfuric Acid	2		
RV-1	180-3644-F-8	Amber Glass 1 liter - unpreserved	~~2~~		
RV-1	180-3644-G-8	Amber Glass 1 liter - unpreserved			
RV-1	180-3644-H-8	Plastic 500ml - with Nitric Acid	2		
RV-1	180-3644-I-8	Plastic 500ml - unpreserved			
RV-1	180-3644-J-8	Plastic 250ml - with Sulfuric Acid	2		
RV-1	180-3644-K-8	Voa Vial 40ml - unpreserved			
RV-1	180-3644-L-8	Voa Vial 40ml - unpreserved			
RV-1	180-3644-M-8	Voa Vial 40ml - unpreserved			
RV-1	180-3644-N-8	Voa Vial 40ml - Hydrochloric Acid	P		
RV-1	180-3644-O-8	Voa Vial 40ml - Hydrochloric Acid			
RV-1	180-3644-P-8	Voa Vial 40ml - Hydrochloric Acid			
RV-1	180-3644-Q-8	Voa Vial 40ml - Hydrochloric Acid			
RV-1	180-3644-R-8	Voa Vial 40ml - Hydrochloric Acid			
RV-1	180-3644-S-8	Voa Vial 40ml - Hydrochloric Acid			
RV-1	180-3644-T-8	Voa Vial 40ml - with Sodium			
RV-1	180-3644-U-8	Voa Vial 40ml - with Sodium			
RV-1	180-3644-V-8	Voa Vial 40ml - with Sulfuric Acid			
RV-1	180-3644-W-8	Voa Vial 40ml - with Sulfuric Acid			
KDE-1	180-3644-A-9	Plastic 1 liter - unpreserved			
KDE-1	180-3644-B-9	Amber Glass 1 liter - Hydrochloric	2		
KDE-1	180-3644-C-9	Amber Glass 1 liter - Hydrochloric	2		
KDE-1	180-3644-D-9	Amber Glass 1 liter - unpreserved			
KDE-1	180-3644-E-9	Amber Glass 1 liter - unpreserved			
KDE-1	180-3644-F-9	Amber Glass 1 liter - unpreserved			
KDE-1	180-3644-G-9	Amber Glass 1 liter - unpreserved			
KDE-1	180-3644-H-9	Plastic 500ml - with Nitric Acid	2		
KDE-1	180-3644-I-9	Plastic 500ml - unpreserved			
KDE-1	180-3644-J-9	Plastic 250ml - with Sulfuric Acid	2		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
KDE-1	180-3644-K-9	Voa Vial 40ml - unpreserved			
KDE-1	180-3644-L-9	Voa Vial 40ml - unpreserved			
KDE-1	180-3644-M-9	Voa Vial 40ml - unpreserved			
KDE-1	180-3644-N-9	Voa Vial 40ml - Hydrochloric Acid	P		
KDE-1	180-3644-O-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-P-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-Q-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-R-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-S-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-T-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-U-9	Voa Vial 40ml - Hydrochloric Acid			
KDE-1	180-3644-V-9	Voa Vial 40ml - with Sulfuric Acid			
KDE-1	180-3644-W-9	Voa Vial 40ml - with Sulfuric Acid			
N-1	180-3644-A-10	Plastic 1 liter - unpreserved			
N-1	180-3644-B-10	Amber Glass 1 liter - Hydrochloric	2		
N-1	180-3644-C-10	Amber Glass 1 liter - Hydrochloric	2		
N-1	180-3644-D-10	Amber Glass 1 liter - unpreserved			
N-1	180-3644-E-10	Amber Glass 1 liter - unpreserved			
N-1	180-3644-F-10	Amber Glass 1 liter - unpreserved			
N-1	180-3644-G-10	Amber Glass 1 liter - unpreserved			
N-1	180-3644-H-10	Plastic 500ml - with Nitric Acid	2		
N-1	180-3644-I-10	Plastic 500ml - unpreserved			
N-1	180-3644-J-10	Plastic 250ml - with Sulfuric Acid	2		
N-1	180-3644-K-10	Voa Vial 40ml - unpreserved			
N-1	180-3644-L-10	Voa Vial 40ml - unpreserved			
N-1	180-3644-M-10	Voa Vial 40ml - unpreserved			
N-1	180-3644-N-10	Voa Vial 40ml - Hydrochloric Acid	P		
N-1	180-3644-O-10	Voa Vial 40ml - Hydrochloric Acid			
N-1	180-3644-P-10	Voa Vial 40ml - Hydrochloric Acid			
N-1	180-3644-Q-10	Voa Vial 40ml - Hydrochloric Acid			
N-1	180-3644-R-10	Voa Vial 40ml - Hydrochloric Acid			
N-1	180-3644-S-10	Voa Vial 40ml - Hydrochloric Acid			
N-1	180-3644-T-10	Voa Vial 40ml - with Sodium		0153 4601V	
N-1	180-3644-U-10	Voa Vial 40ml - with Sodium		0153 4601V	
N-1	180-3644-V-10	Voa Vial 40ml - with Sulfuric Acid			
N-1	180-3644-W-10	Voa Vial 40ml - with Sulfuric Acid			
D-1	180-3644-A-11	Plastic 1 liter - unpreserved			
D-1	180-3644-B-11	Amber Glass 1 liter - Hydrochloric	2		
D-1	180-3644-C-11	Amber Glass 1 liter - Hydrochloric	2		

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
D-1	180-3644-D-11	Amber Glass 1 liter - Sulfuric Acid	2		
D-1	180-3644-E-11	Amber Glass 1 liter - unpreserved			
D-1	180-3644-F-11	Amber Glass 1 liter - unpreserved			
D-1	180-3644-G-11	Amber Glass 1 liter - unpreserved			
D-1	180-3644-H-11	Plastic 500ml - with Nitric Acid	2		
D-1	180-3644-I-11	Plastic 500ml - unpreserved			
D-1	180-3644-J-11	Plastic 250ml - with Sulfuric Acid	2		
D-1	180-3644-K-11	Voa Vial 40ml - unpreserved			
D-1	180-3644-L-11	Voa Vial 40ml - unpreserved			
D-1	180-3644-M-11	Voa Vial 40ml - unpreserved			
D-1	180-3644-N-11	Voa Vial 40ml - Hydrochloric Acid	P		
D-1	180-3644-O-11	Voa Vial 40ml - Hydrochloric Acid			
D-1	180-3644-P-11	Voa Vial 40ml - Hydrochloric Acid			
D-1	180-3644-Q-11	Voa Vial 40ml - Hydrochloric Acid			
D-1	180-3644-R-11	Voa Vial 40ml - Hydrochloric Acid			
D-1	180-3644-S-11	Voa Vial 40ml - Hydrochloric Acid			
D-1	180-3644-T-11	Voa Vial 40ml - with Sodium		013544OW	
D-1	180-3644-U-11	Voa Vial 40ml - with Sodium		013544OW	
D-1	180-3644-V-11	Voa Vial 40ml - with Sulfuric Acid		5R0032-11	
D-1	180-3644-W-11	Voa Vial 40ml - with Sulfuric Acid		5R0032-11	
TRIP BLANK	180-3644-A-12	Voa Vial 40ml - Hydrochloric Acid			
TRIP BLANK	180-3644-B-12	Voa Vial 40ml - Hydrochloric Acid			
TRIP BLANK	180-3644-C-12	Voa Vial 40ml - Hydrochloric Acid			

Appendix D

Laboratory Case Narrative

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 180-3644-1

Job Description: Focused Site Assessment

For:
URS Corporation
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Attention: Mr. James Pinta, Jr.

Approved for release.
Carrie L Gamber
Project Manager II
10/5/2011 2:09 PM

Carrie L Gamber
Project Manager II
carrie.gamber@testamericainc.com
10/05/2011

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CASE NARRATIVE

Client: URS Corporation

Project: Focused Site Assessment

Report Number: 180-3644-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 09/06/2011; the samples arrived in good condition, properly preserved and on ice.

The laboratory received a broken 1-liter bottle for sample FPT-1 (180-3644-3).

The laboratory did not receive sulfuric acid preserved vials for samples FPT-1 (180-3644-3) and D-1 (180-3644-11). An aliquot was taken from an un-preserved 1-liter amber glass bottle and preserved for TOC.

No Sodium thiosulfate vials were received for samples FPT-1 (180-3644-3), D-1 (180-3644-11), and N-1 (180-3644-10). An aliquot was taken from an un-preserved 1-liter amber glass bottle and preserved for method 8011.

The DRO volume for sample FPT-1 (180-3644-3) was received in a 1l-liter plastic container.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS
Chloroform, Naphthalene and Toluene were detected in method blank MB 180-14017/3 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

8011 GAS CHROMATOGRAPHY
No difficulties were encountered during the EDB analyses.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
No difficulties were encountered during the semivolatiles analyses.

GAS RANGE ORGANICS
GRO (C6-C10) was detected in method blank MB 480-30437/3 at a level that was above the method detection limit but below the reporting limit. The value should be considered estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

DISSOLVED GASES
Due to the concentration of target compounds detected, samples H-1 (180-3644-1)[1000X], FH-1 (180-3644-2)[20X], R-1 (180-3644-5)[1000X], R-1 (180-3644-5)[200X], R-2 (180-3644-6)[100X], R-2 (180-3644-6)[1000X] and KDE-1 (180-3644-9)[10X] were analyzed at a dilution. The reporting limits have been adjusted accordingly.

GLYCOLS
The matrix spike and matrix spike duplicate of sample H-1 (180-3644-1) recovered outside of the control limits for Triethylene Glycol.

DIESEL RANGE ORGANICS
No difficulties were encountered during the DRO analyses.

METALS
The serial dilution of sample H-1 (180-3644-1) was outside of the percent difference control limits for several metals.

The method blanks had analytes detected at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

The sodium concentrations found in the continuing calibration blanks three thru eight (CCB3 thru CCB8) were greater than the reporting limit (100ug/l) All associated samples bracketed by these CCB's had sodium concentrations at least 100x greater than the CCB concentrations. The CCB concentrations were more than likely caused by "memory effect" and no positive bias in the results is suspected

The manganese concentrations found in the continuing calibration blanks five, seven and eight (CCB5, CCB7 and CCB8) were greater than the reporting limit (0.5ug/l). All associated samples bracketed by these CCB's had manganese concentrations at least 10x greater than the CCB concentrations. The CCB concentrations were more than likely caused by "memory effect" and no positive bias in the results is suspected.

GENERAL CHEMISTRY

pH is a field parameter. Laboratory pH analysis was completed at the request of the client.

The samples were analyzed outside of the holding time for MBAS.

Due to the matrix, the initial volume used for the following sample deviated from the standard procedure for method 2540D: S-1 (180-3644-4). The reporting limits (RLs) have been adjusted proportionately.

The method blanks had analytes detected at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: HP7 Analysis Batch Number: 13618

Lab Sample ID: IC 180-13618/8 Client Sample ID:

Date Analyzed: 09/10/11 13:14 Lab File ID: 7091011.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.78	Peak Integrated Incorrectly	lipayj	09/10/11 13:40
1,1-Dichloroethene	3.50	Peak Integrated Incorrectly	lipayj	09/10/11 13:40
Carbon disulfide	3.78	Peak Integrated Incorrectly	lipayj	09/10/11 13:40
Methyl acetate	4.14	Peak Integrated Incorrectly	lipayj	09/10/11 13:41
Bromodichloromethane	8.29	Peak Integrated Incorrectly	lipayj	09/10/11 13:40
1,1,2,2-Tetrachloroethane	11.77	Peak Integrated Incorrectly	lipayj	09/10/11 13:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: HP7 Analysis Batch Number: 14017

Lab Sample ID: 180-3644-8 Client Sample ID: RU-1

Date Analyzed: 09/14/11 15:10 Lab File ID: 70914016.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.59	Peak Integrated Incorrectly	lipayj	09/14/11 15:38

8260B

CABOT-EPA 001631

DIM0198912 DIM0198952

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: 733 Analysis Batch Number: 12725

Lab Sample ID: IC 180-12725/2 Client Sample ID:

Date Analyzed: 09/01/11 04:55 Lab File ID: N0901IC1.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.47	Peak Not Found	piccolinov	09/01/11 05:42
Pyridine	2.07	Poor Chromatography	piccolinov	09/01/11 05:42
Benzidine	9.16	Peak Not Found	piccolinov	09/01/11 05:43
Bis(2-ethylhexyl) phthalate	10.17	Poor Chromatography	piccolinov	09/01/11 05:43
Di-n-octyl phthalate	10.75	Poor Chromatography	piccolinov	09/01/11 05:43
Benzo[a]pyrene	11.65	Poor Chromatography	piccolinov	09/01/11 05:43
Dibenz(a,h)anthracene	13.26	Poor Chromatography	piccolinov	09/01/11 05:43
Indeno[1,2,3-cd]pyrene	13.26	Poor Chromatography	piccolinov	09/01/11 05:43
Benzo[g,h,i]perylene	13.71	Poor Chromatography	piccolinov	09/01/11 05:43

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: 733 Analysis Batch Number: 12725

Lab Sample ID: IC 180-12725/3 Client Sample ID:

Date Analyzed: 09/01/11 05:18 Lab File ID: N0901IC2.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.51	Poor Chromatography	piccolino v	09/01/11 05:43
Pyridine	2.06	Poor Chromatography	piccolino v	09/01/11 05:43
Benzoic acid	5.35	Poor Chromatography	piccolino v	09/01/11 05:44
2,3,4,6-Tetrachlorophenol	7.20	Poor Chromatography	piccolino v	09/01/11 05:44
Anthracene	8.16	Poor Chromatography	piccolino v	09/01/11 05:45
Benzidine	9.14	Poor Chromatography	piccolino v	09/01/11 05:45
Di-n-octyl phthalate	10.72	Poor Chromatography	piccolino v	09/01/11 05:45
Benzo[a]pyrene	11.61	Poor Chromatography	piccolino v	09/01/11 05:45
Indeno[1,2,3-cd]pyrene	13.21	Poor Chromatography	piccolino v	09/01/11 05:45
Dibenz(a,h)anthracene	13.22	Poor Chromatography	piccolino v	09/01/11 05:45
Benzo[g,h,i]perylene	13.67	Poor Chromatography	piccolino v	09/01/11 05:45

8270C LL

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: 733 Analysis Batch Number: 12725

Lab Sample ID: ICIS 180-12725/4 Client Sample ID:

Date Analyzed: 09/01/11 05:41 Lab File ID: N0901IC3.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzidine	9.14	Poor Chromatography	piccolino v	09/01/11 06:12
Di-n-octyl phthalate	10.72	Poor Chromatography	piccolino v	09/01/11 06:12
Benzo[a]pyrene	11.61	Poor Chromatography	piccolino v	09/01/11 06:12
Indeno[1,2,3-cd]pyrene	13.22	Poor Chromatography	piccolino v	09/01/11 06:13
Dibenz(a,h)anthracene	13.23	Poor Chromatography	piccolino v	09/01/11 06:13
Benzo[g,h,i]perylene	13.67	Poor Chromatography	piccolino v	09/01/11 06:13

Lab Sample ID: IC 180-12725/7 Client Sample ID:

Date Analyzed: 09/01/11 06:50 Lab File ID: N0901IC6.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.39	Poor Chromatography	piccolino v	09/01/11 07:17

Lab Sample ID: IC 180-12725/8 Client Sample ID:

Date Analyzed: 09/01/11 07:14 Lab File ID: N0901IC7.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.91	Peak Not Found	piccolino v	09/01/11 07:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: 733 Analysis Batch Number: 13573

Lab Sample ID: LCS 180-13271/2-A Client Sample ID:

Date Analyzed: 09/09/11 17:42 Lab File ID: N0909017.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	5.33	Poor Chromatography	piccolino v	09/10/11 02:37

8270C LL

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: 733 Analysis Batch Number: 13655

Lab Sample ID: CCVIS 180-13655/32 Client Sample ID:

Date Analyzed: 09/10/11 07:16 Lab File ID: N0910CC2.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.92	Poor Chromatography	piccolino v	09/12/11 07:04

8270C LL

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 14203

Lab Sample ID: IC 180-13076/1-A Client Sample ID:

Date Analyzed: 09/06/11 05:43 Lab File ID: X0910018.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	09/07/11 13:02
1,1,1,2-Tetrachloroethane	6.24	Poor Chromatography	derubeisj	09/07/11 13:02
1,2-Dibromo-3-Chloropropane	9.96	Poor Chromatography	eppinged	09/06/11 10:18

Lab Sample ID: IC 180-13076/2-A Client Sample ID:

Date Analyzed: 09/06/11 06:12 Lab File ID: X0910019.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	09/07/11 13:03
1,2-Dibromo-3-Chloropropane	9.96	Poor Chromatography	eppinged	09/06/11 10:19

Lab Sample ID: IC 180-13076/3-A Client Sample ID:

Date Analyzed: 09/06/11 06:41 Lab File ID: X0910020.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	09/07/11 13:05
1,2-Dibromo-3-Chloropropane	9.96	Poor Chromatography	eppinged	09/06/11 10:19

Lab Sample ID: ICRT 180-13076/4-A Client Sample ID:

Date Analyzed: 09/06/11 07:11 Lab File ID: X0910021.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.76	Poor Chromatography	derubeisj	09/07/11 13:05
1,2-Dibromo-3-Chloropropane	9.96	Poor Chromatography	derubeisj	09/07/11 13:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 14203

Lab Sample ID: IC 180-13076/5-A Client Sample ID:

Date Analyzed: 09/06/11 07:40 Lab File ID: X0910022.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	09/07/11 13:07
1,2-Dibromo-3-Chloropropane	9.96	Poor Chromatography	eppinged	09/06/11 10:20

Lab Sample ID: IC 180-13076/6-A Client Sample ID:

Date Analyzed: 09/06/11 08:09 Lab File ID: X0910023.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	09/07/11 13:07
1,2-Dibromo-3-Chloropropane	9.96	Poor Chromatography	eppinged	09/06/11 10:20

8011

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 14489

Lab Sample ID: IC 180-13076/1-A Client Sample ID:

Date Analyzed: 09/09/11 11:53 Lab File ID: W0910124.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.61	Poor Chromatography	derubeisj	09/09/11 15:27

Lab Sample ID: ICRT 180-13076/4-A Client Sample ID:

Date Analyzed: 09/09/11 13:21 Lab File ID: W0910127.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.61	Poor Chromatography	derubeisj	09/09/11 15:25

8011

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-3644-1

SDG No.:

Instrument ID: ICS2000 Analysis Batch Number: 13149

Lab Sample ID: STD 180-13149/2 IC Client Sample ID:

Date Analyzed: 09/01/11 18:16 Lab File ID: 0002.d GC Column: AS-18 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	3.93	Baseline Event	waclaskil	09/02/11 11:33

Lab Sample ID: STD 180-13149/3 IC Client Sample ID:

Date Analyzed: 09/01/11 18:29 Lab File ID: 0003.d GC Column: AS-18 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	3.93	Baseline Event	waclaskil	09/02/11 11:32

Lab Sample ID: STD 180-13149/4 IC Client Sample ID:

Date Analyzed: 09/01/11 18:43 Lab File ID: 0004.d GC Column: AS-18 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	3.93	Baseline Event	waclaskil	09/02/11 11:33

300.0

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-3644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 1254

Lab Sample ID: STD1 480-1254/1 IC Client Sample ID:

Date Analyzed: 04/09/10 13:46 Lab File ID: PE01GLY007.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.94	Baseline Smoothing	bescod	11/30/10 13:26

Lab Sample ID: STD2 480-1254/2 IC Client Sample ID:

Date Analyzed: 04/09/10 13:58 Lab File ID: PE01GLY008.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Baseline Smoothing	bescod	11/30/10 13:27

Lab Sample ID: STD3 480-1254/3 IC Client Sample ID:

Date Analyzed: 04/09/10 14:11 Lab File ID: PE01GLY009.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Baseline Smoothing	bescod	11/30/10 13:28

Lab Sample ID: STD4 480-1254/4 IC Client Sample ID:

Date Analyzed: 04/09/10 14:24 Lab File ID: PE01GLY010.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Shouldering	bescod	11/30/10 13:29

Lab Sample ID: STD5 480-1254/5 IC Client Sample ID:

Date Analyzed: 04/09/10 14:36 Lab File ID: PE01GLY011.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Shouldering	bescod	11/30/10 13:30

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-3644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 1254

Lab Sample ID: STD6 480-1254/6 IC Client Sample ID:

Date Analyzed: 04/09/10 14:49 Lab File ID: PE01GLY012.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methoxyethanol	2.00	Baseline Smoothing	bescod	11/30/10 12:54
2-Ethoxyethanol	2.16	Baseline Smoothing	bescod	11/30/10 12:54
Propylene glycol	4.64	Baseline Smoothing	bescod	11/30/10 12:54
Ethylene glycol	4.90	Baseline Smoothing	bescod	11/30/10 12:54
1,4-Butanediol	6.99	Baseline Smoothing	bescod	11/30/10 12:54
2,2'-Oxybisethanol	7.34	Baseline Smoothing	bescod	11/30/10 12:54
Triethylene Glycol	8.94	Baseline Smoothing	bescod	11/30/10 12:54

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-3644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 30801

Lab Sample ID: 180-3644-1 Client Sample ID: H-1

Date Analyzed: 09/12/11 11:49 Lab File ID: PE06160.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.88	Baseline Smoothing	NearyM	09/15/11 08:22

Lab Sample ID: 180-3644-2 Client Sample ID: FH-1

Date Analyzed: 09/12/11 12:02 Lab File ID: PE06161.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/15/11 08:23

Lab Sample ID: 180-3644-3 Client Sample ID: FPT-1

Date Analyzed: 09/12/11 12:15 Lab File ID: PE06162.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.88	Baseline Smoothing	NearyM	09/15/11 08:24

Lab Sample ID: 180-3644-4 Client Sample ID: S-1

Date Analyzed: 09/12/11 12:27 Lab File ID: PE06163.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.88	Baseline Smoothing	NearyM	09/15/11 08:25

Lab Sample ID: 180-3644-5 Client Sample ID: R-1

Date Analyzed: 09/12/11 12:40 Lab File ID: PE06164.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.88	Baseline Smoothing	NearyM	09/15/11 08:25

8015B

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-3644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 30801

Lab Sample ID: 180-3644-6 Client Sample ID: R-2

Date Analyzed: 09/12/11 12:53 Lab File ID: PE06165.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/15/11 08:26

Lab Sample ID: 180-3644-7 Client Sample ID: RD-1

Date Analyzed: 09/12/11 13:06 Lab File ID: PE06166.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.92	Baseline Smoothing	NearyM	09/15/11 08:26

Lab Sample ID: CCV 480-30801/15 Client Sample ID:

Date Analyzed: 09/12/11 13:18 Lab File ID: PE06167.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/15/11 08:28

Lab Sample ID: CCV 480-30801/23 Client Sample ID:

Date Analyzed: 09/13/11 12:10 Lab File ID: PE06175.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/14/11 07:10

Lab Sample ID: 180-3644-8 Client Sample ID: RU-1

Date Analyzed: 09/13/11 13:40 Lab File ID: PE06177.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.91	Baseline Smoothing	NearyM	09/14/11 07:11

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-3644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 30801

Lab Sample ID: 180-3644-9 Client Sample ID: KDE-1

Date Analyzed: 09/13/11 14:14 Lab File ID: PE06179.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/13/11 14:32

Lab Sample ID: 180-3644-11 Client Sample ID: D-1

Date Analyzed: 09/13/11 14:40 Lab File ID: PE06181.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/13/11 15:10

Lab Sample ID: 180-3644-1 MS Client Sample ID: H-1 MS

Date Analyzed: 09/13/11 14:52 Lab File ID: PE06182.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/14/11 07:13

Lab Sample ID: 180-3644-1 MSD Client Sample ID: H-1 MSD

Date Analyzed: 09/13/11 15:05 Lab File ID: PE06183.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.87	Baseline Smoothing	NearyM	09/14/11 07:13

Lab Sample ID: CCV 480-30801/33 Client Sample ID:

Date Analyzed: 09/13/11 15:31 Lab File ID: PE06185.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.86	Baseline Smoothing	NearyM	09/14/11 07:16

8015B

SAMPLE SUMMARY

Client: URS Corporation

Job Number: 180-3644-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-3644-1	H-1	Water	09/01/2011 1115	09/06/2011 0900
180-3644-2	FH-1	Water	09/01/2011 0840	09/06/2011 0900
180-3644-3	FPT-1	Water	09/01/2011 0935	09/06/2011 0900
180-3644-4	S-1	Water	09/01/2011 1015	09/06/2011 0900
180-3644-5	R-1	Water	09/01/2011 1320	09/06/2011 0900
180-3644-6	R-2	Water	09/01/2011 1340	09/06/2011 0900
180-3644-7	RD-1	Water	09/01/2011 1410	09/06/2011 0900
180-3644-8	RU-1	Water	09/01/2011 1445	09/06/2011 0900
180-3644-9	KDE-1	Water	09/01/2011 1535	09/06/2011 0900
180-3644-10	N-1	Water	09/01/2011 1745	09/06/2011 0900
180-3644-11	D-1	Water	09/01/2011 1815	09/06/2011 0900
180-3644-12	TRIP BLANK	Water	09/01/2011 0000	09/06/2011 0900