Client Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Client Sample ID: TRIP BLANK
Date Collected: 10/05/12 00:00
Date Received: 10/06/12 09:00

Lab Sample ID: 180-15160-7
Matrix: Water

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.68	U	5.0	0.68	ug/L			10/10/12 14:27	1
1,1,1-Trichloroethane	1.0	U	5.0	1.0	ug/L			10/10/12 14:27	1
1,1,2,2-Tetrachloroethane	0.93	U	5.0	0.93	ug/L			10/10/12 14:27	1
1,1,2-Trichloroethane	1.2	U	5.0	1.2	ug/L			10/10/12 14:27	1
1,1-Dichloroethane	1.0	U	5.0	1.0	ug/L			10/10/12 14:27	1
1,1-Dichloroethene	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
1,1-Dichloropropene	0.76	U	5.0	0.76	ug/L			10/10/12 14:27	1
1,2,3-Trichlorobenzene	0.63	U	5.0	0.63	ug/L			10/10/12 14:27	1
1,2,3-Trichloropropane	1.6	U	5.0	1.6	ug/L			10/10/12 14:27	1
1,2,4-Trimethylbenzene	0.52	U	5.0	0.52	ug/L			10/10/12 14:27	1
1,2-Dibromo-3-Chloropropane	0.35	U	5.0	0.35	ug/L			10/10/12 14:27	1
1,2-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			10/10/12 14:27	1
1,2-Dichloroethane	0.96	U	5.0	0.96	ug/L			10/10/12 14:27	1
1,2-Dichloropropane	1.3	U	5.0	1.3	ug/L			10/10/12 14:27	1
1,3,5-Trimethylbenzene	0.59	U	5.0	0.59	ug/L			10/10/12 14:27	1
1,3-Dichlorobenzene	0.51	U	5.0	0.51	ug/L			10/10/12 14:27	1
1,3-Dichloropropane	0.86	U	5.0	0.86	ug/L			10/10/12 14:27	1
1,4-Dichlorobenzene	0.53	U	5.0	0.53	ug/L			10/10/12 14:27	1
2,2-Dichloropropane	1.3	U	5.0	1.3	ug/L			10/10/12 14:27	1
2-Butanone (MEK)	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
2-Chlorotoluene	0.65	U	5.0	0.65	ug/L			10/10/12 14:27	1
2-Hexanone	0.57	U	5.0	0.57	ug/L			10/10/12 14:27	1
4-Chlorotoluene	0.85	U	5.0	0.85	ug/L			10/10/12 14:27	1
4-Methyl-2-pentanone (MIBK)	0.59	U	5.0	0.59	ug/L			10/10/12 14:27	1
Acetone	1.7	U	20	1.7	ug/L			10/10/12 14:27	1
Benzene	0.99	U	5.0	0.99	ug/L			10/10/12 14:27	1
Bromobenzene	0.69	U	5.0	0.69	ug/L			10/10/12 14:27	1
Bromoform	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
Bromomethane	1.6	U	5.0	1.6	ug/L			10/10/12 14:27	1
Carbon disulfide	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
Carbon tetrachloride	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
Chlorobenzene	0.53	U	5.0	0.53	ug/L			10/10/12 14:27	1
Chlorobromomethane	1.0	U	5.0	1.0	ug/L			10/10/12 14:27	1
Chloroethane	0.75	U	5.0	0.75	ug/L			10/10/12 14:27	1
Chloroform	1.0	U	5.0	1.0	ug/L			10/10/12 14:27	1
Chloromethane	1.4	U	5.0	1.4	ug/L			10/10/12 14:27	1
cis-1,2-Dichloroethene	0.67	U	5.0	0.67	ug/L			10/10/12 14:27	1
cis-1,3-Dichloropropene	0.73	U	5.0	0.73	ug/L			10/10/12 14:27	1
Dibromomethane	0.37	U	5.0	0.37	ug/L			10/10/12 14:27	1
Bromodichloromethane	0.93	U	5.0	0.93	ug/L			10/10/12 14:27	1
Dibromochloromethane	0.65	U	5.0	0.65	ug/L			10/10/12 14:27	1
Dichlorodifluoromethane	0.64	U	5.0	0.64	ug/L			10/10/12 14:27	1
Ethylbenzene	0.62	U	5.0	0.62	ug/L			10/10/12 14:27	1
Hexachlorobutadiene	0.58	U	5.0	0.58	ug/L			10/10/12 14:27	1
Isopropylbenzene	0.53	U	5.0	0.53	ug/L			10/10/12 14:27	1
m-Xylene & p-Xylene	1.3	U	10	1.3	ug/L			10/10/12 14:27	1
Methyl tert-butyl ether	1.0	U	5.0	1.0	ug/L			10/10/12 14:27	1
Methylene Chloride	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
Naphthalene	0.47	U	5.0	0.47	ug/L			10/10/12 14:27	1
n-Butylbenzene	0.87	U	5.0	0.87	ug/L			10/10/12 14:27	1
N-Propylbenzene	0.36	U	5.0	0.36	ug/L			10/10/12 14:27	1

Client Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Client Sample ID: TRIP BLANK
Date Collected: 10/05/12 00:00
Date Received: 10/06/12 09:00

Lab Sample ID: 180-15160-7
Matrix: Water

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.73	U	5.0	0.73	ug/L			10/10/12 14:27	1
4-Isopropyltoluene	0.80	U	5.0	0.80	ug/L			10/10/12 14:27	1
sec-Butylbenzene	0.35	U	5.0	0.35	ug/L			10/10/12 14:27	1
Styrene	0.64	U	5.0	0.64	ug/L			10/10/12 14:27	1
tert-Butylbenzene	0.46	U	5.0	0.46	ug/L			10/10/12 14:27	1
Tetrachloroethene	0.82	U	5.0	0.82	ug/L			10/10/12 14:27	1
Toluene	0.85	U	5.0	0.85	ug/L			10/10/12 14:27	1
trans-1,2-Dichloroethene	0.75	U	5.0	0.75	ug/L			10/10/12 14:27	1
trans-1,3-Dichloropropene	0.58	U	5.0	0.58	ug/L			10/10/12 14:27	1
Trichloroethene	0.80	U	5.0	0.80	ug/L			10/10/12 14:27	1
Trichlorofluoromethane	1.1	U	5.0	1.1	ug/L			10/10/12 14:27	1
Vinyl chloride	1.3	U	5.0	1.3	ug/L			10/10/12 14:27	1
1,2,4-Trichlorobenzene	0.38	U	5.0	0.38	ug/L			10/10/12 14:27	1
1,2-Dibromoethane (EDB)	0.61	U	5.0	0.61	ug/L			10/10/12 14:27	1
Xylenes, Total	2.0	U	15	2.0	ug/L			10/10/12 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 120*		*10/10/12 14:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*10/10/12 14:27*	*1*
Dibromofluoromethane (Surr)	*95*		*85 - 115*		*10/10/12 14:27*	*1*
Toluene-d8 (Surr)	*102*		*85 - 120*		*10/10/12 14:27*	*1*

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-51477/3
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.68	U	5.0	0.68	ug/L			10/10/12 14:02	1
1,1,1-Trichloroethane	1.0	U	5.0	1.0	ug/L			10/10/12 14:02	1
1,1,2,2-Tetrachloroethane	0.93	U	5.0	0.93	ug/L			10/10/12 14:02	1
1,1,2-Trichloroethane	1.2	U	5.0	1.2	ug/L			10/10/12 14:02	1
1,1-Dichloroethane	1.0	U	5.0	1.0	ug/L			10/10/12 14:02	1
1,1-Dichloroethene	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
1,1-Dichloropropene	0.76	U	5.0	0.76	ug/L			10/10/12 14:02	1
1,2,3-Trichlorobenzene	0.63	U	5.0	0.63	ug/L			10/10/12 14:02	1
1,2,3-Trichloropropane	1.6	U	5.0	1.6	ug/L			10/10/12 14:02	1
1,2,4-Trimethylbenzene	0.52	U	5.0	0.52	ug/L			10/10/12 14:02	1
1,2-Dibromo-3-Chloropropane	0.35	U	5.0	0.35	ug/L			10/10/12 14:02	1
1,2-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			10/10/12 14:02	1
1,2-Dichloroethane	0.96	U	5.0	0.96	ug/L			10/10/12 14:02	1
1,2-Dichloropropane	1.3	U	5.0	1.3	ug/L			10/10/12 14:02	1
1,3,5-Trimethylbenzene	0.59	U	5.0	0.59	ug/L			10/10/12 14:02	1
1,3-Dichlorobenzene	0.51	U	5.0	0.51	ug/L			10/10/12 14:02	1
1,3-Dichloropropane	0.86	U	5.0	0.86	ug/L			10/10/12 14:02	1
1,4-Dichlorobenzene	0.53	U	5.0	0.53	ug/L			10/10/12 14:02	1
2,2-Dichloropropane	1.3	U	5.0	1.3	ug/L			10/10/12 14:02	1
2-Butanone (MEK)	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
2-Chlorotoluene	0.65	U	5.0	0.65	ug/L			10/10/12 14:02	1
2-Hexanone	0.57	U	5.0	0.57	ug/L			10/10/12 14:02	1
4-Chlorotoluene	0.85	U	5.0	0.85	ug/L			10/10/12 14:02	1
4-Methyl-2-pentanone (MIBK)	0.59	U	5.0	0.59	ug/L			10/10/12 14:02	1
Acetone	1.7	U	20	1.7	ug/L			10/10/12 14:02	1
Benzene	0.99	U	5.0	0.99	ug/L			10/10/12 14:02	1
Bromobenzene	0.69	U	5.0	0.69	ug/L			10/10/12 14:02	1
Bromoform	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
Bromomethane	1.6	U	5.0	1.6	ug/L			10/10/12 14:02	1
Carbon disulfide	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
Carbon tetrachloride	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
Chlorobenzene	0.53	U	5.0	0.53	ug/L			10/10/12 14:02	1
Chlorobromomethane	1.0	U	5.0	1.0	ug/L			10/10/12 14:02	1
Chloroethane	0.75	U	5.0	0.75	ug/L			10/10/12 14:02	1
Chloroform	1.0	U	5.0	1.0	ug/L			10/10/12 14:02	1
Chloromethane	1.4	U	5.0	1.4	ug/L			10/10/12 14:02	1
cis-1,2-Dichloroethene	0.67	U	5.0	0.67	ug/L			10/10/12 14:02	1
cis-1,3-Dichloropropene	0.73	U	5.0	0.73	ug/L			10/10/12 14:02	1
Dibromomethane	0.37	U	5.0	0.37	ug/L			10/10/12 14:02	1
Bromodichloromethane	0.93	U	5.0	0.93	ug/L			10/10/12 14:02	1
Dibromochloromethane	0.65	U	5.0	0.65	ug/L			10/10/12 14:02	1
Dichlorodifluoromethane	0.64	U	5.0	0.64	ug/L			10/10/12 14:02	1
Ethylbenzene	0.62	U	5.0	0.62	ug/L			10/10/12 14:02	1
Hexachlorobutadiene	0.58	U	5.0	0.58	ug/L			10/10/12 14:02	1
Isopropylbenzene	0.53	U	5.0	0.53	ug/L			10/10/12 14:02	1
m-Xylene & p-Xylene	1.3	U	10	1.3	ug/L			10/10/12 14:02	1
Methyl tert-butyl ether	1.0	U	5.0	1.0	ug/L			10/10/12 14:02	1
Methylene Chloride	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
Naphthalene	0.47	U	5.0	0.47	ug/L			10/10/12 14:02	1

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-51477/3
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	0.87	U	5.0	0.87	ug/L			10/10/12 14:02	1
N-Propylbenzene	0.36	U	5.0	0.36	ug/L			10/10/12 14:02	1
o-Xylene	0.73	U	5.0	0.73	ug/L			10/10/12 14:02	1
4-Isopropyltoluene	0.80	U	5.0	0.80	ug/L			10/10/12 14:02	1
sec-Butylbenzene	0.35	U	5.0	0.35	ug/L			10/10/12 14:02	1
Styrene	0.64	U	5.0	0.64	ug/L			10/10/12 14:02	1
tert-Butylbenzene	0.46	U	5.0	0.46	ug/L			10/10/12 14:02	1
Tetrachloroethene	0.82	U	5.0	0.82	ug/L			10/10/12 14:02	1
Toluene	0.85	U	5.0	0.85	ug/L			10/10/12 14:02	1
trans-1,2-Dichloroethene	0.75	U	5.0	0.75	ug/L			10/10/12 14:02	1
trans-1,3-Dichloropropene	0.58	U	5.0	0.58	ug/L			10/10/12 14:02	1
Trichloroethene	0.80	U	5.0	0.80	ug/L			10/10/12 14:02	1
Trichlorofluoromethane	1.1	U	5.0	1.1	ug/L			10/10/12 14:02	1
Vinyl chloride	1.3	U	5.0	1.3	ug/L			10/10/12 14:02	1
1,2,4-Trichlorobenzene	0.38	U	5.0	0.38	ug/L			10/10/12 14:02	1
1,2-Dibromoethane (EDB)	0.61	U	5.0	0.61	ug/L			10/10/12 14:02	1
Xylenes, Total	2.0	U	15	2.0	ug/L			10/10/12 14:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 120*		*10/10/12 14:02*	*1*
4-Bromofluorobenzene (Surr)	*116*		*75 - 120*		*10/10/12 14:02*	*1*
Dibromofluoromethane (Surr)	*97*		*85 - 115*		*10/10/12 14:02*	*1*
Toluene-d8 (Surr)	*116*		*85 - 120*		*10/10/12 14:02*	*1*

Lab Sample ID: LCS 180-51477/9
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	40.0	41.9		ug/L		105	80 - 130
1,1,1-Trichloroethane	40.0	41.6		ug/L		104	65 - 130
1,1,2,2-Tetrachloroethane	40.0	32.6		ug/L		82	65 - 130
1,1,2-Trichloroethane	40.0	37.5		ug/L		94	75 - 125
1,1-Dichloroethane	40.0	38.9		ug/L		97	70 - 135
1,1-Dichloroethene	40.0	36.2		ug/L		90	70 - 130
1,1-Dichloropropene	40.0	38.5		ug/L		96	75 - 130
1,2,3-Trichlorobenzene	40.0	34.5	M	ug/L		86	55 - 140
1,2,3-Trichloropropane	40.0	37.4		ug/L		93	75 - 125
1,2,4-Trimethylbenzene	40.0	38.2		ug/L		96	75 - 130
1,2-Dibromo-3-Chloropropane	40.0	41.0		ug/L		103	50 - 130
1,2-Dichlorobenzene	40.0	39.3		ug/L		98	70 - 120
1,2-Dichloroethane	40.0	42.4		ug/L		106	70 - 130
1,2-Dichloropropane	40.0	38.1		ug/L		95	75 - 125
1,3,5-Trimethylbenzene	40.0	37.5		ug/L		94	75 - 130
1,3-Dichlorobenzene	40.0	39.0		ug/L		97	75 - 125
1,3-Dichloropropane	40.0	40.3		ug/L		101	75 - 125
1,4-Dichlorobenzene	40.0	38.2		ug/L		96	75 - 125
2,2-Dichloropropane	40.0	41.3		ug/L		103	70 - 135
2-Butanone (MEK)	40.0	38.5	M	ug/L		96	30 - 150

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-51477/9
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	40.0	34.5		ug/L		86	75 - 125
2-Hexanone	40.0	44.1		ug/L		110	55 - 130
4-Chlorotoluene	40.0	36.4		ug/L		91	75 - 130
4-Methyl-2-pentanone (MIBK)	40.0	37.4		ug/L		94	60 - 135
Acetone	40.0	26.7		ug/L		67	40 - 140
Benzene	40.0	38.4		ug/L		96	80 - 120
Bromobenzene	40.0	36.0		ug/L		90	75 - 125
Bromoform	40.0	42.0		ug/L		105	70 - 130
Bromomethane	40.0	40.7		ug/L		102	30 - 145
Carbon disulfide	40.0	36.9		ug/L		92	35 - 160
Carbon tetrachloride	40.0	41.8		ug/L		104	65 - 140
Chlorobenzene	40.0	39.3		ug/L		98	80 - 120
Chlorobromomethane	40.0	37.7		ug/L		94	65 - 130
Chloroethane	40.0	42.7		ug/L		107	60 - 135
Chloroform	40.0	42.3		ug/L		106	65 - 135
Chloromethane	40.0	33.9		ug/L		85	40 - 125
cis-1,2-Dichloroethene	40.0	38.9		ug/L		97	70 - 125
cis-1,3-Dichloropropene	40.0	38.2		ug/L		96	70 - 130
Dibromomethane	40.0	39.9		ug/L		100	75 - 125
Bromodichloromethane	40.0	41.5		ug/L		104	75 - 120
Dibromochloromethane	40.0	41.3		ug/L		103	60 - 135
Dichlorodifluoromethane	40.0	31.3		ug/L		78	30 - 155
Ethylbenzene	40.0	39.4		ug/L		98	75 - 125
Hexachlorobutadiene	40.0	38.1		ug/L		95	50 - 140
Isopropylbenzene	40.0	40.7		ug/L		102	75 - 125
m-Xylene & p-Xylene	80.0	78.2		ug/L		98	75 - 130
Methyl tert-butyl ether	40.0	40.8		ug/L		102	65 - 125
Methylene Chloride	40.0	38.9		ug/L		97	55 - 140
Naphthalene	40.0	37.5	M	ug/L		94	55 - 140
n-Butylbenzene	40.0	39.4		ug/L		98	70 - 135
N-Propylbenzene	40.0	34.9		ug/L		87	70 - 130
o-Xylene	40.0	39.9		ug/L		100	80 - 120
4-Isopropyltoluene	40.0	39.2		ug/L		98	75 - 130
sec-Butylbenzene	40.0	37.6		ug/L		94	70 - 125
Styrene	40.0	40.5		ug/L		101	65 - 135
tert-Butylbenzene	40.0	37.3		ug/L		93	70 - 130
Tetrachloroethene	40.0	39.8		ug/L		100	45 - 150
Toluene	40.0	38.3		ug/L		96	75 - 120
trans-1,2-Dichloroethene	40.0	36.1		ug/L		90	60 - 140
trans-1,3-Dichloropropene	40.0	39.5		ug/L		99	55 - 140
Trichloroethene	40.0	41.9		ug/L		105	70 - 125
Trichlorofluoromethane	40.0	40.1		ug/L		100	60 - 145
Vinyl chloride	40.0	34.1		ug/L		85	50 - 145
1,2,4-Trichlorobenzene	40.0	37.1		ug/L		93	65 - 135
1,2-Dibromoethane (EDB)	40.0	38.6		ug/L		96	80 - 120
Xylenes, Total	120	118		ug/L		98	75 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 120*

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-51477/9
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115
Toluene-d8 (Surr)	97		85 - 120

Lab Sample ID: LCSD 180-51477/10
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	40.0	41.3		ug/L		103	80 - 130	2	30
1,1,1-Trichloroethane	40.0	39.3		ug/L		98	65 - 130	6	30
1,1,2,2-Tetrachloroethane	40.0	38.4		ug/L		96	65 - 130	16	30
1,1,2-Trichloroethane	40.0	41.5		ug/L		104	75 - 125	10	30
1,1-Dichloroethane	40.0	38.4		ug/L		96	70 - 135	1	30
1,1-Dichloroethene	40.0	36.2		ug/L		90	70 - 130	0	30
1,1-Dichloropropene	40.0	38.6		ug/L		96	75 - 130	0	30
1,2,3-Trichlorobenzene	40.0	59.1	Q	ug/L		148	55 - 140	53	30
1,2,3-Trichloropropane	40.0	40.9		ug/L		102	75 - 125	9	30
1,2,4-Trimethylbenzene	40.0	37.6		ug/L		94	75 - 130	2	30
1,2-Dibromo-3-Chloropropane	40.0	43.9		ug/L		110	50 - 130	7	30
1,2-Dichlorobenzene	40.0	43.3		ug/L		108	70 - 120	10	30
1,2-Dichloroethane	40.0	43.4		ug/L		108	70 - 130	2	30
1,2-Dichloropropane	40.0	38.0		ug/L		95	75 - 125	0	30
1,3,5-Trimethylbenzene	40.0	35.4		ug/L		89	75 - 130	6	30
1,3-Dichlorobenzene	40.0	39.4		ug/L		99	75 - 125	1	30
1,3-Dichloropropane	40.0	41.2		ug/L		103	75 - 125	2	30
1,4-Dichlorobenzene	40.0	39.2		ug/L		98	75 - 125	3	30
2,2-Dichloropropane	40.0	39.4		ug/L		99	70 - 135	5	30
2-Butanone (MEK)	40.0	32.4		ug/L		81	30 - 150	17	30
2-Chlorotoluene	40.0	33.4		ug/L		83	75 - 125	3	30
2-Hexanone	40.0	44.8		ug/L		112	55 - 130	2	30
4-Chlorotoluene	40.0	35.0		ug/L		87	75 - 130	4	30
4-Methyl-2-pentanone (MIBK)	40.0	45.5		ug/L		114	60 - 135	19	30
Acetone	40.0	31.9	M	ug/L		80	40 - 140	18	30
Benzene	40.0	37.7		ug/L		94	80 - 120	2	30
Bromobenzene	40.0	34.6		ug/L		86	75 - 125	4	30
Bromoform	40.0	45.6		ug/L		114	70 - 130	8	30
Bromomethane	40.0	37.9		ug/L		95	30 - 145	7	30
Carbon disulfide	40.0	35.8		ug/L		90	35 - 160	3	30
Carbon tetrachloride	40.0	39.4		ug/L		98	65 - 140	6	30
Chlorobenzene	40.0	38.8		ug/L		97	80 - 120	1	30
Chlorobromomethane	40.0	39.1		ug/L		98	65 - 130	4	30
Chloroethane	40.0	40.0		ug/L		100	60 - 135	6	30
Chloroform	40.0	40.5		ug/L		101	65 - 135	4	30
Chloromethane	40.0	33.0		ug/L		83	40 - 125	3	30
cis-1,2-Dichloroethene	40.0	38.0		ug/L		95	70 - 125	2	30
cis-1,3-Dichloropropene	40.0	39.9		ug/L		100	70 - 130	4	30
Dibromomethane	40.0	42.2		ug/L		105	75 - 125	6	30
Bromodichloromethane	40.0	41.7		ug/L		104	75 - 120	0	30

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 8260B/DoD - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 180-51477/10
Matrix: Water
Analysis Batch: 51477

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromochloromethane	40.0	43.1		ug/L		108	60 - 135	4	30
Dichlorodifluoromethane	40.0	30.8		ug/L		77	30 - 155	2	30
Ethylbenzene	40.0	39.3		ug/L		98	75 - 125	0	30
Hexachlorobutadiene	40.0	51.6		ug/L		129	50 - 140	30	30
Isopropylbenzene	40.0	40.4		ug/L		101	75 - 125	1	30
m-Xylene & p-Xylene	80.0	78.2		ug/L		98	75 - 130	0	30
Methyl tert-butyl ether	40.0	41.7		ug/L		104	65 - 125	2	30
Methylene Chloride	40.0	37.5		ug/L		94	55 - 140	4	30
Naphthalene	40.0	40.7		ug/L		102	55 - 140	8	30
n-Butylbenzene	40.0	39.2		ug/L		98	70 - 135	0	30
N-Propylbenzene	40.0	32.3		ug/L		81	70 - 130	8	30
o-Xylene	40.0	39.5		ug/L		99	80 - 120	1	30
4-Isopropyltoluene	40.0	37.4		ug/L		94	75 - 130	5	30
sec-Butylbenzene	40.0	35.6		ug/L		89	70 - 125	6	30
Styrene	40.0	40.3		ug/L		101	65 - 135	1	30
tert-Butylbenzene	40.0	35.0		ug/L		87	70 - 130	6	30
Tetrachloroethene	40.0	38.5		ug/L		96	45 - 150	3	30
Toluene	40.0	38.8		ug/L		97	75 - 120	1	30
trans-1,2-Dichloroethene	40.0	36.5		ug/L		91	60 - 140	1	30
trans-1,3-Dichloropropene	40.0	42.5		ug/L		106	55 - 140	7	30
Trichloroethene	40.0	39.2		ug/L		98	70 - 125	7	30
Trichlorofluoromethane	40.0	38.1		ug/L		95	60 - 145	5	30
Vinyl chloride	40.0	32.9		ug/L		82	50 - 145	4	30
1,2,4-Trichlorobenzene	40.0	54.1	Q	ug/L		135	65 - 135	37	30
1,2-Dibromoethane (EDB)	40.0	42.3		ug/L		106	80 - 120	9	30
Xylenes, Total	120	118		ug/L		98	75 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 120*
4-Bromofluorobenzene (Surr)	*111*		*75 - 120*
Dibromofluoromethane (Surr)	*104*		*85 - 115*
Toluene-d8 (Surr)	*102*		*85 - 120*

Method: 6010B/DOD - Metals (ICP)

Lab Sample ID: MB 180-51160/1-A
Matrix: Water
Analysis Batch: 51262

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	42	U	200	42	ug/L		10/08/12 16:29	10/09/12 10:19	1
Silver	0.68	U	5.0	0.68	ug/L		10/08/12 16:29	10/09/12 10:19	1
Arsenic	2.7	U	10	2.7	ug/L		10/08/12 16:29	10/09/12 10:19	1
Boron	5.7	U	200	5.7	ug/L		10/08/12 16:29	10/09/12 10:19	1
Barium	2.3	U	200	2.3	ug/L		10/08/12 16:29	10/09/12 10:19	1
Beryllium	0.70	U	4.0	0.70	ug/L		10/08/12 16:29	10/09/12 10:19	1
Cadmium	0.25	U	5.0	0.25	ug/L		10/08/12 16:29	10/09/12 10:19	1
Chromium	0.57	U	5.0	0.57	ug/L		10/08/12 16:29	10/09/12 10:19	1
Cobalt	0.53	U	50	0.53	ug/L		10/08/12 16:29	10/09/12 10:19	1

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 6010B/DOD - Metals (ICP) (Continued)

Lab Sample ID: MB 180-51160/1-A
Matrix: Water
Analysis Batch: 51262

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	2.7	U	25	2.7	ug/L		10/08/12 16:29	10/09/12 10:19	1
Nickel	1.6	U	40	1.6	ug/L		10/08/12 16:29	10/09/12 10:19	1
Sodium	220	U	5000	220	ug/L		10/08/12 16:29	10/09/12 10:19	1
Tin	4.6	U	100	4.6	ug/L		10/08/12 16:29	10/09/12 10:19	1
Thallium	6.2	U	20	6.2	ug/L		10/08/12 16:29	10/09/12 10:19	1
Vanadium	1.9	U	50	1.9	ug/L		10/08/12 16:29	10/09/12 10:19	1
Zinc	5.9	U	20	5.9	ug/L		10/08/12 16:29	10/09/12 10:19	1
Iron	22	U	100	22	ug/L		10/08/12 16:29	10/09/12 10:19	1
Lead	1.6	U	10	1.6	ug/L		10/08/12 16:29	10/09/12 10:19	1
Manganese	0.68	U	15	0.68	ug/L		10/08/12 16:29	10/09/12 10:19	1
Molybdenum	22	U	100	22	ug/L		10/08/12 16:29	10/09/12 10:19	1
Selenium	3.3	U	10	3.3	ug/L		10/08/12 16:29	10/09/12 10:19	1
Potassium	750	U	5000	750	ug/L		10/08/12 16:29	10/09/12 10:19	1
Antimony	1.3	U	10	1.3	ug/L		10/08/12 16:29	10/09/12 10:19	1
Silicon	18	U	500	18	ug/L		10/08/12 16:29	10/09/12 10:19	1
SiO2, Silica	38	U	1100	38	ug/L		10/08/12 16:29	10/09/12 10:19	1
Lithium	2.8	U	50	2.8	ug/L		10/08/12 16:29	10/09/12 10:19	1

Lab Sample ID: MB 180-51160/1-A
Matrix: Water
Analysis Batch: 51474

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	10.7	J	5000	9.7	ug/L		10/08/12 16:29	10/10/12 11:35	1
Strontium	0.093	U	50	0.093	ug/L		10/08/12 16:29	10/10/12 11:35	1
Titanium	1.9	U	50	1.9	ug/L		10/08/12 16:29	10/10/12 11:35	1
Magnesium	21	U	5000	21	ug/L		10/08/12 16:29	10/10/12 11:35	1

Lab Sample ID: LCS 180-51160/2-A
Matrix: Water
Analysis Batch: 51262

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1940		ug/L		97	80 - 120
Silver	50.0	51.1		ug/L		102	80 - 120
Arsenic	500	522		ug/L		104	80 - 120
Boron	1000	1020		ug/L		102	80 - 120
Barium	2000	1940		ug/L		97	80 - 120
Beryllium	50.0	49.6		ug/L		99	80 - 120
Cadmium	50.0	49.3		ug/L		99	80 - 120
Chromium	200	195		ug/L		98	80 - 120
Cobalt	500	501		ug/L		100	80 - 120
Copper	250	237		ug/L		95	80 - 120
Nickel	500	501		ug/L		100	80 - 120
Sodium	50000	51100		ug/L		102	80 - 120
Tin	2000	1970		ug/L		98	80 - 120
Thallium	500	487		ug/L		97	80 - 120
Vanadium	500	498		ug/L		100	80 - 120
Zinc	500	494		ug/L		99	80 - 120
Iron	1000	1020		ug/L		102	80 - 120

QC Sample Results

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: Dover AFB

TestAmerica Job ID: 180-15160-1

Method: 6010B/DOD - Metals (ICP) (Continued)

Lab Sample ID: LCS 180-51160/2-A
Matrix: Water
Analysis Batch: 51262

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	500	508		ug/L		102	80 - 120
Manganese	500	476		ug/L		95	80 - 120
Molybdenum	1000	1020		ug/L		102	80 - 120
Selenium	500	521		ug/L		104	80 - 120
Potassium	50000	49200		ug/L		98	80 - 120
Antimony	500	511		ug/L		102	80 - 120
Silicon	10000	9600		ug/L		96	80 - 120
SiO2, Silica	21400	20500		ug/L		96	80 - 120
Lithium	1000	975		ug/L		97	80 - 120

Lab Sample ID: LCS 180-51160/2-A
Matrix: Water
Analysis Batch: 51474

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	50000	51500		ug/L		103	80 - 120
Strontium	1000	985		ug/L		98	80 - 120
Titanium	1000	1000		ug/L		100	80 - 120
Magnesium	50000	50600		ug/L		101	80 - 120

Lab Sample ID: LCSD 180-51160/3-A
Matrix: Water
Analysis Batch: 51262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 51160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	2000	1890		ug/L		95	80 - 120	3	20
Silver	50.0	51.7		ug/L		103	80 - 120	1	20
Arsenic	500	522		ug/L		104	80 - 120	0	20
Boron	1000	1010		ug/L		101	80 - 120	0	20
Barium	2000	1960		ug/L		98	80 - 120	1	20
Beryllium	50.0	48.8		ug/L		98	80 - 120	2	20
Cadmium	50.0	48.9		ug/L		98	80 - 120	1	20
Chromium	200	195		ug/L		98	80 - 120	0	20
Cobalt	500	495		ug/L		99	80 - 120	1	20
Copper	250	234		ug/L		93	80 - 120	2	20
Nickel	500	495		ug/L		99	80 - 120	1	20
Sodium	50000	50500		ug/L		101	80 - 120	1	20
Tin	2000	1960		ug/L		98	80 - 120	0	20
Thallium	500	478		ug/L		96	80 - 120	2	20
Vanadium	500	502		ug/L		100	80 - 120	1	20
Zinc	500	485		ug/L		97	80 - 120	2	20
Iron	1000	1010		ug/L		101	80 - 120	1	20
Lead	500	503		ug/L		101	80 - 120	1	20
Manganese	500	474		ug/L		95	80 - 120	1	20
Molybdenum	1000	1020		ug/L		102	80 - 120	0	20
Selenium	500	517		ug/L		103	80 - 120	1	20
Potassium	50000	48900		ug/L		98	80 - 120	1	20
Antimony	500	511		ug/L		102	80 - 120	0	20
Silicon	10000	9510		ug/L		95	80 - 120	1	20
SiO2, Silica	21400	20400		ug/L		95	80 - 120	1	20